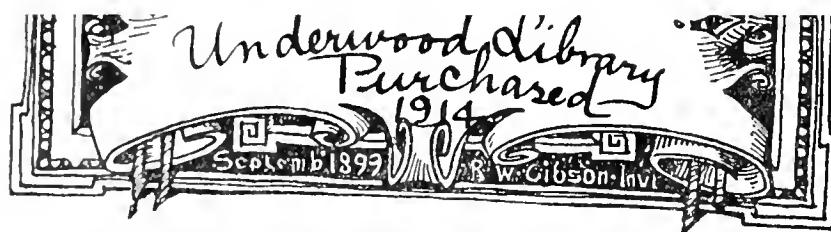
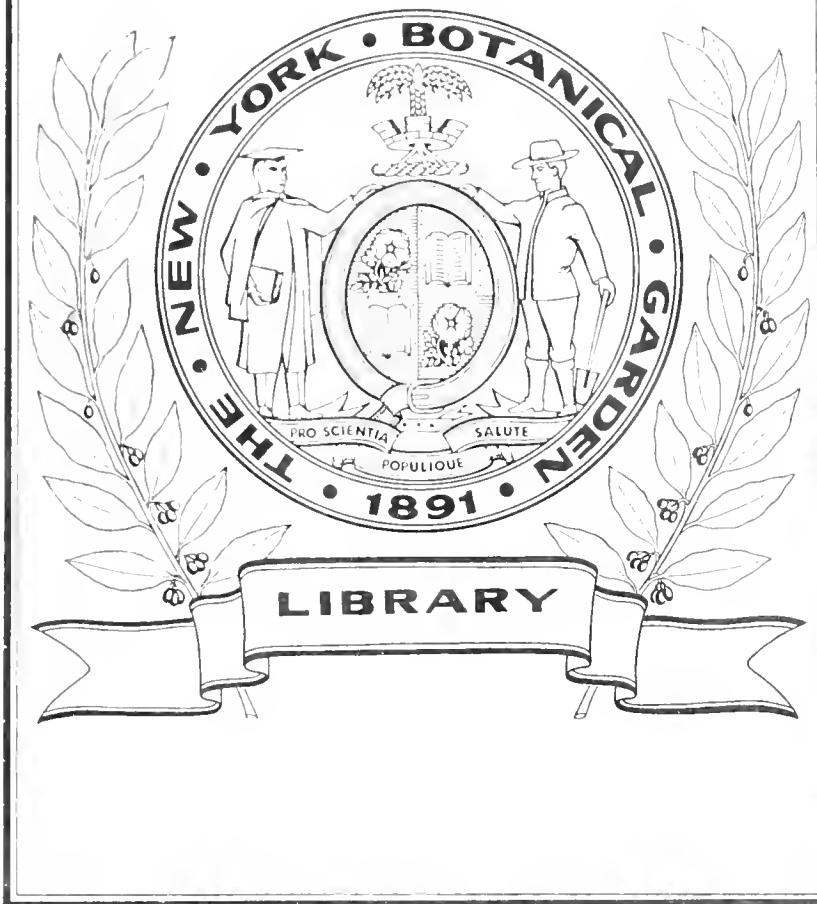




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L. M. Underwood



A PROVISIONAL HOST-INDEX

OF THE

FUNGI OF THE UNITED STATES

BY

W. G. FARLOW AND A. B. SEYMOUR

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PART I.

POLYPETALAE

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CAMBRIDGE, AUGUST, 1888



## INTRODUCTION

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A HOST INDEX is a necessity in the study of North American fungi at the present day and everyone who has attempted to determine our species with any prospect of success has been obliged to prepare such an index for himself. The result is that a number of persons, some of whom are not well provided with mycological works except those which have been published within the last few years, are all spending considerable time and labor in an effort to do the same thing. To make a complete host-index is, for several reasons, quite out of the question but, believing that an approximately complete list of our parasitic species and their hosts would aid materially in the advance toward a more accurate study of our mycological flora and would tend to lessen the amount of indiscriminate species making which has already become a serious evil, the present index, the result of work extending over several years, has been prepared for publication.

The basis of the present record is the "List of Works on North American Fungi" by Farlow and Trelease, issued in 1887, and the "Supplement" issued the present year. The species of fungi mentioned in the works whose titles are given in the two papers just mentioned are here classified and arranged under their recorded hosts. It has seemed best to give only those hosts which have already been recorded in print, for to go beyond that and record other hosts of the fungi of unpublished collections might lead to confusion or might be considered an unwarranted anticipation of the proposed publications of other botanists. It should not be supposed, however, that we have recorded the hosts mentioned in all the papers included in the "List of Works on North American Fungi." Some of the works there mentioned are so clearly inaccurate and unscientific that probably all respectable mycologists would agree that their contents had better be ignored. As it is, by far the greater part of the works mentioned in the "List" are here included and it is probable that, if we have erred, it has been by including too many rather than too few of them.

In the nomenclature of the hosts themselves we have merely aimed at adopting the names given in standard works, such as Gray's Manual, the Synoptical Flora, Watson's Index, the Flora of California, etc., which are in general use and accessible to anyone, avoiding any attempt to settle the recondite and disputed points which concern the experts in Phaenogamic Botany. For mycological purposes it is of slight consequence whether a phaenogamic species, as here given, had better be split up into two closely related species or, on the other hand, united with another nearly related species. The fact remains that the same parasitic fungi are apt to occur on closely related Phaenogams and the present index will still serve as a general guide, which is all that it purports to be in any case, even if the specific limitations of the hosts be hereafter changed by experts in that branch of botany. All we can expect

to do is to quote the names given in the treatises most widely known at the present day. For *Polyptalae*, Watson's Index has generally been followed.

There are several difficulties which arise in attempting to give the hosts accurately. The collector is not always well informed about the Phaenogams of the region in which he collects and it often happens that the infested plant has neither flowers nor fruit, in which case an exact determination is often impossible. Perplexing errors have not infrequently arisen as, for instance, in the case of the fungus named by Schweinitz *Cacoma Chelidorkii*, which, as an examination of the original specimens shows, occurred not on *Chelidonium* but on *Osmorrhiza*, while another species mentioned by the same author on *Smilax* really grew on *Rosa*. One is surprised at the number of similar errors on the part even of good botanists, and one will fail to find in this part of the index a number of familiar names of fungi, for the reason that we have discovered errors in the determination of the hosts, which make it necessary to remove them from *Polyptalae* to other divisions which follow. Furthermore, when we consider how little is known about the Phaenogams of a large part of our country, it is not to be expected that errors could well be avoided by collectors and travellers. Again, the practice of giving common and popular instead of scientific names causes great confusion. The same common name is applied to widely different plants in different parts of the country, and it is not unfrequently impossible to say what species really is meant. The matter is made still worse by the fact that a good many of our fungi have been described or have been included in works by foreign botanists and in foreign languages, and ludicrous errors have crept in. Sage-brush, for instance, is not unfrequently translated *Salvia* instead of *Artemisia*, and this error, transparent as it is to botanists in this country, may at length become fixed in mycological literature until, at last, we shall find ourselves searching in *Labiatae* for what really belongs in *Compositae*. It is not asking too much to insist upon the necessity of giving the scientific rather than the common name and, even when the collector is not sure of the specific name, it would often be of great help to know the generic name. It would have simplified matters for us in several cases had the collector, instead of saying "poplar," said *Populus* or *Liriodendron*, as the case might be. So far as possible, we have here referred popular to scientific names, but it is probable that we have erred in some cases.

With regard to the nomenclature of cultivated plants authorities differ widely, but although the names we have adopted may not meet the approval of many phaenogamic botanists, mycologists will probably have little difficulty in recognizing the plants intended. In some doubtful cases we have given the common names.

The nomenclature of the species of fungi is that generally accepted by European mycologists, the name of the original describer being given in parenthesis, followed by the name of the author by whom the species was first placed in the accepted genus. This method, although widely adopted by writers on fungi, does not seem to us to be so satisfactory as that of those phaenogamic botanists who do not use the parenthesis, but this is not the place to institute a change in the prevailing practice. Where the number of species on a given host is small, they are arranged alphabetically, regardless of their systematic position, and the eye will quickly catch the species of a particular order if one has any knowledge of the genera of fungi. If he has not this knowledge, a host-index would be of little use no matter on what plan it

were arranged. When the number of species on a single host is large, they are arranged alphabetically under the proper orders and, where there are many species of some orders and but few of others, the latter are placed under the general heading, *Miscellanea*. In many cases fungi were originally described as growing on a certain genus without mention of the species and, hence, in searching for the fungi to be found on a given species, one should also examine the list of fungi placed under the general heading, *sp. indet.*, at the end of different genera. In some cases, like *Nyssa* and *Lagerstroemia*, it is very probable that the species here placed under *sp. indet.* really belong under *N. multiflora* and *L. Indica*, but, as cases of other genera are doubtful, we have thought best to adhere to the indefiniteness of the original publications.

It should be borne distinctly in mind that the index purports to include only those species of parasitic fungi which have been recorded as occurring in extratropical North America. The word parasitic is here used to include many saprophytes, properly speaking, but ubiquitous species, like some moulds, have not been included. The fungi included have many synonyms, but, as a rule, *we have given only those synonyms which have appeared in print in connection with the record of the occurrence of the species on particular hosts in North America*, omitting other synonyms which have been used in works on the fungi of other countries. In a few cases, where confusion might otherwise arise, a synonym not, as yet, used in works on North American fungi is given in italics. Synonyms are indicated by braces, and are given, with some exceptions, in chronological order, but it, of course, does not follow that the latest name is always to be preferred to others, although that is more frequently the case. In the index, as elsewhere, discretion has to be used, and in cases of what we knew positively to be errors in the determination of the hosts or the fungi themselves we have inserted corrections, and in other doubtful cases we have called attention to disputed points by means of interrogation marks. An interrogation before a name signifies that it is doubtful whether the fungus in question really occurs on the host named; one after the name means that the determination of the fungus is uncertain; one after a name in a brace, that it is doubtful whether it is really synonymous with the other names in the same brace. Names of undescribed species from lists and catalogues have usually been omitted except where necessary to complete the synonymy. The abbreviation, *Auct. Amer.*, has been used in a number of cases in which names have frequently been used by writers on North American fungi without proper authority, although the species referred to in these cases are well known.

In the case of fungi to whose different stages different names have been given, the names of secondary stages (conidia, pycnidia, etc.), when it was thought necessary to give them at all, have been placed in alphabetical order and, in the hosts infested by a large number of fungi, under the orders to which so-called *form*-genera are usually assigned. The complications of *Uredineae* are so great that we have not attempted to show here the connection of different forms which can be learned only from special works on that subject. In most instances the *uredo* name is not given unless it differs widely from that of the *teleutosporic* form or unless, for some special reason, to avoid confusion in the synonymy. *Aecidial* forms have been kept distinct on the same principle.

Some fungi which are found on a considerable number of hosts of the same order, as *Cystopus candidus*, might, perhaps, better have been placed together in a group just under the name of the order, and it was originally intended to adopt such an arrangement, for it is evident that the frequent repetition of the name of a common species tends to interfere with rather than facilitate the use of a host-index. But we found it difficult to manage such an arrangement without spending more time than was at our command. It is to be regretted that we were not able to indicate in some way whether the fungi occur on the leaves, stems, or fruits. But, in many cases, the facts could not be ascertained without much additional labor, while, in others, the habitat can readily be inferred and, in still others, the fungi may be expected to occur on any of the organs. As it is, the index is sufficiently complicated, and it was found impossible to add other distinguishing characters except at considerable extra expense.

As the printing of the first part has required considerable time, there are several additions from current literature which could not be included. It is hoped that the remainder of the index will be issued during the coming winter, and it is intended to have additions and corrections of the present part given in an appendix to the second part. By an error in paging, the fungi on *Magnolia sp. indet.* were not placed in the proper order. They are here given on a supplementary sheet, and will be included in their proper place in the appendix of the following part of the index.

W. G. FARLOW

Cambridge, July 31, 1888.

## PHANEROGAMS.

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### RANUNCULACEAE.

*Actaea alba*, Bigelow.

Aecidium Actaeae, (Opiz) Wallr.  
Ramularia Actaeae, Ell. & Holw.

*Actaea spicata*, L.

{ Leptostroma lineare, Pk.  
  { Leptostroma lineatum, Sacc.

*Anemone acutiloba*, Dawson.

Caeoma (Aecidium) hepaticatum, S.  
Aecidium punctatum, P.  
Gloeosporium Hepaticae, Pk.  
Protomyces fuscus, Pk.

{ Urocystis Anemones, (P.).  
  { Urocystis pompholygodes, (Schl.) Rabh.  
  { Polycystis Ranunculacearum, Desm.

*Anemone cylindrica*, Gray. /&2

Dothidea Anemones, Fr.  
  { Puccinia Anemones-Virginianae, S.  
  { Puccinia solida, S.

*Anemone dichotoma*, L. /&2

Aecidium Ranunculacearum, DC.  
Didymaria Unger, Cda.

⊕ Peronospora pygmaea, Ung.

{ Urocystis Anemones, (P.).  
  { Urocystis pompholygodes, (Schl.) Rabh.  
  { Polycystis Ranunculacearum, Desm.

*Anemone Hepatica*, L. /&2

Aecidium punctatum, P.  
Caeoma (Aecidium) hepaticatum, S.  
Gloeosporium Hepaticae, Pk.

⊕ Peronospora pygmaea, Ung.

Urocystis Anemones, (P.).

*Anemone narcissiflora*, L.

Puccinia vesiculosa, Ehrenb.

*Anemone nemorosa*, L. /&2

{ Aecidium Anemones, P.  
  { Aecidium leucospermum, DC.  
  { Aecidium punctatum, P.  
  { Aecidium quadrifidum, DC.  
Aecidium Ranunculacearum, DC.  
Caeoma (Uredo) Anemones, S.  
Dothidea Anemones, Fr.

⊕ Peronospora pygmaea, Ung.

{ Puccinia Anemones, P.  
  { Puccinia fusca, (Relh.) Wint.  
Synchytrium Anemones, (DC.) Wor.

{ Urocystis Anemones, (P.).  
  { Urocystis pompholygodes, (Schl.) Rabh.

*Anemone patens*, L.

Puccinia Anemones-Virginianae, S.

*Anemone patens*, L., var. *Nuttalliana*,  
Gray.

Puccinia fusca, (Relh.) Wint.

*Anemone Virginiana*, L. /&2

Aecidium Ranunculacearum, DC.  
Dothidea Anemones, Fr.

—Erysiphe communis, (Wallr.) Schl.  
  { Puccinia Anemones-Virginianae, S.  
  { Puccinia solida, S.

{ Ramularia didyma, Ung.  
  { Didymaria Unger, Cda.  
Sclerotium Anemones, S.  
Sphaeria platypus, S.

*Anemonella thalictroides*, Spach.

Aecidium Thalictri-flavi, (DC.)

—Erysiphe communis, (Wallr.) Schl.  
  { Urocystis pompholygodes, (Schl.) Rabh.

*Anemone*, sp. indet.

Phleospora Anemones, Ell. & Kell.

*Aquilegia vulgaris*, L.

Septoria Aquilegiae, Ell. & Kell.

*Aquilegia*, sp. indet.

Helminthosporium tenuissimum, Lk.

*Caltha leptosepala*, DC.

Puccinia Zopfii, Wint.

*Caltha palustris*, L.

Aecidium Calthae, Grev.

Puccinia Calthae, Lk.

*Cimicifuga racemosa*, Nutt.

Aecidium Actaeae, (Opiz) Wallr.

Aecidium cimicifugatum, S.

{ Sphaeria Ogilviensis, B. & Br.  
  { Leptosphaeria Ogilviensis, Ces. & DeNot.  
  { Thecaphora carcinodes, B. & C.  
  { Urocystis carcinodes, Fisch. Wald.

{ Xyloma Actaeae, S.  
  { Leptostroma vulgare, Fr.  
  { Leptostrmoa Actaeae, S.

( *Nyloma afflatum*, S.  
 ( *Ectostroma afflatum*, Fr.  
 ( *Dothidea afflata*, S.  
*Cimicifuga*, sp. indet.  
 Phoma *Cimicifugae*, B. & C.  
 Sphaeria *Cimicifugae*, S.  
*Clematis ligusticifolia*, Nutt. / 52  
 Accidium *Clematidis*, DC.  
 Didymaria *Clematidis*, Cke. & Hark.  
*Clematis Virginiana*, L. / 52  
 ( Accidium *Clematidis*, DC.  
 Accidium *Clematitis*, S.  
 ( Accidium *clematitatum*, S.  
 Cercospora *squalidula*, Pk.  
 Entyloma *Thalictri*, Schrt.  
 Entyloma *Ranunculi*, (Bon.) Schrt., forma  
     *Thalictri*, Farl.  
 Cylindrosporium *Ranunculi*, (Bon.) Sacc.  
     forma *Thalictri*, Ell. & Ev.  
 ( Cylindrosporium *Clematidis*, Ell. & Ev.  
 Erysiphe *communis*, (Wallr.) Schl.  
 Erysiphe *tortilis*, (Wallr.) Fr.  
*Clematis*, sp. indet.  
 Cercospora *rubigo*, Cke. & Hark.  
 Puccinia *stromatica*, B. & C.  
 Vermicularia *Dematium*, (P.) Fr.  
*Coptis trifolia*, Salisb. / 52  
 Septoria *Coptidis*, B. & C.  
 ( Sphaeria *Coptis*, S.  
 ( Sphaerella *Coptis*, Farl.  
 Vermicularia *coptina*, Pk.  
*Delphinium elatum*, L.  
 Erysiphe *communis*, (Wallr.) Schl., var. *Del-*  
     *phinii*, Ell.  
*Delphinium*, sp. indet.  
 Chaetophoma *myriospora*, Cke.  
*Isopyrum biformatum*, Torr. & Gr.  
 Accidium *Ranunculacearum*, DC.  
*Paeonia Moutan*, Sims.  
 Discosia *grammita*, B. & C.  
*Paeonia officinalis*, DC. / 52  
 Cercospora *variecolor*, Wint.  
*Paeonia*, sp. indet. / 52  
 Aspergillus *cimmerius*, B. & C.  
 Cladosporium *Paeoniae*, Sacc.  
 Periconia *byssoides*, P.  
 ( Sphaeria *flaccida*, A. & S.  
 ( Cronartium *flaccidum*, Wint.  
*Ranunculus abortivus*, L. / 52  
 ( Accidium *Ranunculacearum*, DC.  
 Accidium *Ranunculi*, S.  
 ( Caeoma (Accidium) *ranunculaceatum*, Lk.  
 Erysiphe *communis*, (Wallr.) Schl.  
*Ranunculus acris*, L. / 52  
 Erysiphe *communis*, (Wallr.) Schl.  
 Peronospora *Ficariae*, Tul.  
 Septocylindrum *Ranunculi*, Pk.

*Ranunculus bulbosus*, L.  
 + Peronospora *Ficariae*, Tul.  
*Ranunculus Californicus*, Benth.  
 Stigmata *Ranunculi*, Fr.  
*Ranunculus Cymbalaria*, Pursh. / 52  
 Accidium *Ranunculi*, S.  
*Ranunculus fascicularis*, Muhl.  
 Didymaria *Ungeri*, Cda.  
 Entyloma *microsporum*, (Ung.) Schrt.  
*Ranunculus Pennsylvanicus*, L.  
 ( Ramularia *didyma*, Unger.  
 ( Didymaria *Ungeri*, Cda.  
 Phacidium *Ranunculi*, Desm.  
*Ranunculus recurvatus*, Poir.  
 Didymaria *Ungeri*, Cda.  
 + Peronospora *Ficariae*, Tul.  
 Ramularia *Ranunculi*, Pk.  
*Ranunculus repens*, L. / 52  
 Cercospora *Ranunculi*, Ell. & Holw.  
 Entyloma *microsporum*, (Ung.) Schrt.  
 + Peronospora *Ficariae*, Tul.  
 Puccinia *Ranunculi*, Seymour.  
*Ranunculus repens*, L., var. *hispidus*, Torr.  
 & Gr. / 52  
 Peziza *singulata*, Pk.  
*Ranunculus sceleratus*, L. / 52  
 Phacidium *Ranunculi*, Desm.  
*Ranunculus*, sp. indet. / 52  
 ( Excipula *conglutinata*, Ell. & Ev.  
 ( Excipulina *conglutinata*, Sacc.  
 Phacidium *Ranunculi*, Desm.  
 Uromyces *Ficariae*, Lev.  
 Uromyces *Jonesii*, Pk.  
*Thalictrum Cornuti*, L. / 52  
 Accidium *Thalictri*, Grev.  
 Caeoma (Uredo) *Thalictri*, S.  
 Diplodia *herbarum*, Lev.  
 Erysiphe *communis*, (Wallr.) Schl.  
 Peziza *Thalictri*, Pk.  
 ( Puccinia *Anemones*, P.  
 ( Puccinia *Thalictri*, Chev.  
*Thalictrum dioicum*, L.  
 Accidium *Thalictri*, Grev.  
 ( Entyloma *Thalictri*, Schrt.  
 ( Entyloma *Ranunculi*, (Bon.) Schrt., forma  
     *Thalictri*, Farl.  
 ( Puccinia *Anenones*, P.  
 ( Puccina *Thalictri*, Chev.  
 Sphaerella *septorioides*, Pk.  
 Sphaerella *Thalictri*, Ell. & Ev.  
*Thalictrum Fendleri*, Engelm. / 52  
 Accidium *Thalictri*, Grev.  
*Thalictrum Fendleri*, Engelm., var. *polycarpum*, Torr.  
 Leptostroma *vulgare*, Fr.  
 Phoma *nebulosum*, (P.) Mont.

*Thalictrum purpurascens*, L. 184

Aecidium Thalictri, Grev.  
 { Entyloma Thalictri, Schrt.  
 { Cylindrosporium Ranunculi, (Bon.) Sacc.,  
   forma Thalictri, Ell. & Ev.  
 — Erysiphe communis, (Wallr.) Schl.  
*Trollius*, sp. indet.  
*Urocystis pompholygodes*, (Schl.) Rabh.

## CALYCANTHACEAE.

*Calycanthus*, sp. indet.

Cytospora laxa, B. & C.  
 Didymosporium Calycanthi, S.  
 Patellaria nigrocinnabarina, S.  
 Phoma Calycanthi, S.  
 { Sphaeria Calycanthi, S.  
 { Botryosphaeria Calycanthi, Sacc.

## MAGNOLIACEAE.

*Liriodendron Tulipifera*, L. 184

## MYXOMYCETES.

{ Trichia clavata, P.  
 { Hemiarcyria clavata, Rostf.  
 { Licea circumscissa, P.  
 { Perichaena corticalis, (Batsch.) Rostf.  
 { Trichia botrytis, P.  
 { Trichia fragilis, (Sow.) Rostf.

## PYRENOMYCETES.

Apiosporium salicinum, Kze.  
 Capnodium elongatum, B. & Desm.  
 Diatrype plagia, B. & C.  
 Didymosphaeria phyllogena, Wint.  
 { Xyloma Liriodendri, S.  
 { Ectostroma Liriodendri, Fr.  
 { Dothidea Liriodendri, S.  
 — Erysiphe Liriodendri, S.  
 Glonium stellatum, Muhl.  
 { Sphaeria rufa, P.  
 { Hypocrea rufa, Fr.  
 Hypoderma virgultorum, DC., var. petiolare,  
   Cke.  
 Hypoxylon investiens, (S.) B.  
 { Hysterium maculare, Fr.  
 { Lophodermium maculare, DeNot.  
 { Melogramma Liriodendri, Cke.  
 { Botryosphaeria Liriodendri, Sacc.  
 Nectria coccinea, (P.) Fr.  
 Ostropa cinerascens, S.  
 { Phyllactinia guttata, Lev.  
 { Phyllactinia suffulta, (Reb.) Sacc.  
 Sphaerella Liriodendri, Cke.  
 Sphaeria ditopa, Fr.  
 { Sphaeria divergens, S.  
 { Valsa divergens, Cke.  
 { Cryptospora divergens, Berl. & Vogl.

## Sphaeria faginea, P.

{ Sphaeria Liriodendri, S.  
 { Diatrypella Liriodendri, Sacc.  
 { Sphaeria microloncha, B. & C.  
 { Pleosphaeria microloncha, Sacc.

## Sphaeria millegrana, S.

## Sphaeria mutila, S.

## Sphaeria ovina, P.

## Sphaeria personata, Fr.

{ Sphaeria stictoides, B. & C.  
 { Leptosphaeria stictoides, Sacc.

## Sphaeria subiculata, S.

## Sphaeria Rosellinia subiculata, Sacc.

## Sphaeria transversalis, S.

## Sphaeria tubaeformis, Tode.

{ Sphaeria turgida, P.  
 { Valsa turgida, Fr.

## { Anthostoma turgidum, Nits.

## Valsa nivea, Hoffm.

## Valsa plagia, B. &amp; C.

## Valsa quaternata, Fr.

{ Sphaeria mucronata, S.  
 { Cordyceps mucronata, M. A. Curtis.

## Xylaria mucronata, Sacc.

## SPHAEROPSIDEAE.

## Asteroma Liriodendri, Cke.

{ Sphaeria Tulipiferae, S.  
 { Depazea Tulipiferae, M. A. Curtis.

## Dothiorella Liriodendri, Sacc.

## Excipula nitidula, S.

## Hendersonia panciseptata, B. &amp; C.

## Leptothyrium Liriodendri, Cke.

## Phoma mixtum, B. &amp; C.

## Phoma Tulipiferae, S.

## Phyllosticta circumvallata, Wint.

{ Phyllosticta Liriodendri, Cke.  
 { Phyllosticta liriodendrica, Sacc.

## Septoria Liriodendri, B. &amp; C.

## Vermicularia albomaculata, S.

## MELANCONIEAE.

## Cylindrosporium cercosporoides, Ell. &amp; Ev.

## Gloeosporium Liriodendri, Ell. &amp; Ev.

{ Melanconium coloratum, Pk.  
 { Myxosporium coloratum, Sacc.

## HYPHOMYCETES.

## Cercospora Liriodendri, Ell. &amp; Hark.

## Monilia aurea, Lk.

## Oospora Tulipiferae, Ell. &amp; Martin.

## Septonema caespitosum, B. &amp; C.

## Septonema circinatum, B. &amp; C.

## Septonema punctiforme, B. &amp; C.

## Sporidesmium sarcinula, B. &amp; C.

## Sporotrichum incarnatum, S.

## Trichoderma globosum, S.

## DISCOMYCETES.

*Patellaria nigrocinnabarina*, S.  
*Peziza aurelia*, P.  
*Peziza Erinaceus*, S.  
*Peziza villosa*, P.  
*Peziza vinoso*, A. & S.  
*Stictis hysterina*, Fr.

## TREMELLINI.

*Tremella dependens*, B. & C.  
*Tremella moriformis*, B.

## HYMENOMYCETES.

*Agaricus glandulosus*, Bull.  
*Agaricus ulmarius*, Bull.  
*Hydnnum ciliolatum*, B. & C.  
*Hydnnum cirrhatum*, P.  
*Hydnnum Halei*, B. & C.  
*Irpea pallescens*, Fr.  
 { *Boletus Tulipiferae*, S.  
 { *Polyporus corticola*, Fr.  
 { *Irpea Tulipiferae*, S.  
 { *Agaricus strigosus*, S.  
 { *Lentinus strigosus*, Fr.  
*Polyporus chartaceus*, B. & C.  
*Polyporus cinereus*, S.  
*Polyporus fulvus*, Fr.  
 { *Polyporus hirsutus*, Fr.  
 { *Boletus nigromarginatus*, S.  
 { *Polyporus nigromarginatus*, S.  
*Polyporus Neelgerrhensis*, Mont.  
*Polyporus scarrosus*, B. & C.  
*Polyporus tephroleucus*, Fr.  
*Porothelium pezizoides*, S.  
 { *Agaricus alnens*, L.  
 { *Schizophyllum commune*, Fr.

*Magnolia acuminata*, L.

*Phyllactinia guttata*, Lev.  
*Sphaeronomema Magnoliae*, Pk.  
*Sporidesmium fusus*, B. & C.  
*Steganosporium formosum*, Ell. & Ev.

*Magnolia cordata*, Michx.

{ *Discella Magnoliae*, B. & C.  
 { *Discula Magnoliae*, Sacc.

*Magnolia Fraseri*, Walt.

*Helminthosporium macrocarpon*, Grev.

*Magnolia glauca*, L. 184

## PYRENOMYCETES.

*Antennaria semiovata*, B. & Br.  
*Apiosporium ? erysiphoides*, Sacc. & Ell.  
*Asterina comata*, B. & Rav.  
*Capnodium pelliculosum*, B. & Rav.  
*Diatrype asteromata*, B. & C.  
*Diatrype disciformis*, (Hoffm.) Fr., var. *Americanum*, Thun.

{ *Diatrype disciformis*, (Hoffm.) Fr., var. *Magnoliae*, Thun.  
 { *Diatrype tremellophora*, Ell.  
*Diatrype Duriae*, Mont.  
 { *Diatrype hypophlaea*, B. & Rav.  
 { *Nummularia hypophlaea*, Cke.  
 { *Anthostoma hypophlaeum*, Sacc.  
*Diatrype minima*, Ell. & Ev.  
*Diatrype sphaerophora*, Ell. & Ev.  
 { *Dothidea excavata*, C. & E.  
 { *Curreya excavata*, Sacc.  
*Gnomonia Magnoliae*, Ell.  
*Hypocrea corticiicola*, Ell. & Ev.  
*Hypoxylon epiphaeum*, B. & C.  
*Nectria aureosulva*, C. & E.  
*Nectria coccinea*, (P.) Fr.  
 { *Nectria conigena*, Ell. & Ev.  
 { *Dialonectria conigena*, Ell. & Ev.  
 { *Nectria microspora*, C. & E.  
 { *Nectriella microspora*, Sacc.  
*Nectria rubicarpa*, Cke.  
 { *Sphaeria discreta*, S.  
 { *Nummularia discreta*, Tul.  
 { *Hypoxylon discretum*, B. & C.  
*Saccardia Martinii*, Ell. & Sacc., var. *major*, Ell.  
*Sphaerella glauca*, Cke.  
*Sphaeria discreta*, S.  
 { *Sphaeria Magnoliae*, S.  
 { *Sphaerella Magnoliae*, Ell.  
 { *Laestadia Magnoliae*, Sacc.  
*Sphaerostilbe flammea*, Tul.  
*Sphaerostilbe flammea*, Tul., var. *pallida*, Sacc.  
 { *Valsa binoculata*, Ell.  
 { *Diaporthe binoculata*, Sacc.  
 { *Valsa monticulosa*, B. & C.  
 { *Eutypella monticulosa*, Sacc.  
*Venturia applanata*, Ell. & Martin.  
*Venturia saccardiooides*, Ell. & Martin.

## SPHAEROPSIDAE.

*Actinothyrium Magnoliae*, S.  
*Discosia artocreas*, (Tode) Fr.  
 { *Eustegia Magnoliae*, Rav.  
 { *Stegia Magnoliae*, Rav.  
 { *Protostegia Magnoliae*, Rav.  
*Phoma mamillaris*, B. & C.  
 { *Septoria glauca*, Cke.  
 { *Phyllosticta glauca*, Cke.  
 { *Depazea glauca*, Sacc.  
 { *Sphaeronomema rufum*, Fr.  
 { *Sphaeronomella rufa*, Sacc.  
 { *Sphaeropsis macrospora*, B. & C.  
 { *Dothiorella macrospora*, Sacc.

## MELANCONIEAE.

{ *Stilbospora monotospora*, Cke.  
 { *Melanconium Monotospora*, Sacc.

## HYPHOMYCETES.

Atractium pallidum, B. & C.  
 Cercospora Magnoliae, Ell. & Hark.  
 Cladosporium delectum, C. & E.  
 Cladosporium fasciculatum, Cda.  
 Dictyosporium elegans, Cda.  
 Helminthosporium arbuscula, B. & C.  
 Helminthosporium trichellum, Sacc.  
 Macrosporium Martindalei, Ell. & Martin.  
 Menispora ciliata, Cda.  
 Septosporium maculatum, C. & E.  
 { Sporidesmium ellipticum, Cke.  
 { Sirodesmium ellipticum, Sacc.  
 Sporidesmium maculare, B. & C.  
 Sporidesmium rude, Ell.

## DISCOMYCETES.

Cenangium Magnoliae, B. & C.  
 Ombrophila albofusca, Ell.  
 Peziza albopileata, Cke.  
 Peziza protrusa, B. & C.  
 Rhytisma Magnoliae, S.

## HYMENOMYCETES.

Corticium subgiganteum, B.  
 Hydnus ciliolatum, B. & C.  
 Hydnus fuscoatrum, Fr.  
 Irpex Tulipiferae, S.  
 Polyporus Salleanus, B.  
 Radulum Magnoliae, B. & C.  
***Magnolia grandiflora*, L.** 184  
 Asterina comata, B. & Rav.  
 Campsotrichum circinatum, B. & C.  
 Campsotrichum tenue, B. & C.  
 Diatrype hypophila, B. & Rav.  
 Diplodia punctipetiolae, Cke.  
 Discosia ocellata, B. & C.  
 Hypochnus albocinctus, Mont.  
 Marasmius bombycirhiza, B. & Cke.  
 Meliola amphitricha, Fr.  
 Pestalozzia Guepini, Desm.  
 Phyllosticta Magnoliae, Sacc.  
 { Eustegia Magnoliae, Rav.  
 { Protostegia Magnoliae, Rav.  
 Septoria Magnoliae, Cke.  
 Septoria niphostoma, B. & C.  
 Sphaeria fructuosa, B. & C.  
 { Sporidesmium punctiphyllum, Cke.  
 { Sirodesmium stictophyllum, Sacc.  
 Vermicularia carbonacea, B. & C.

***Magnolia macrophylla*, Michx.**  
 { Sphaeria Berenice, B. & C.  
 { Acanthostigma Berenice, Sacc.

***Magnolia Umbrella*, Lam.**

Discosia artocreas, (Tode) Fr.  
 Phoma melalecum, B. & C.

*Magnolia* sp. in et 184

## ANONACEAE.

***Asimina triloba*, Dunal.** 185  
 Capnodium Fuligo, B. & Desm.  
 Cercospora Asiminae, Ell. & Kell.  
 { Xyloma Annonae, S.  
 { Ectostroma Annonae, Fr.  
 { Dothidea Annonae, S.  
 Phleospora Asiminae, Ell. & Morg.  
 Phyllosticta Asiminae, Ell. & Kell.  
 Sphaeria myriadea, DC.  
 Vermicularia albomaculata, S.  
***Asimina*, sp. indet.**  
 Hirneola scutelliformis, B. & C.  
 Polyporus contiguus, P.?

***Anonaceae*, sp. indet.**

Phoma helvolum, B. & C.

## MENISPERMACEAE.

***Menispermum Canadense*, L.** 185  
 Entyloma Menispermi, Farl. & Trelease.  
 Microsphaera Menispermi, Howe.  
 Phoma Menispermi, Pk.  
 Phyllosticta abortiva, Ell. & Kell.  
 { Sphaeria sarmentorum, Fr.  
 { Diplodia sarmentorum, Fr.  
 Sphaeropsis Menispermi, Pk.  
 Tubicularia Menispermi, Fr.  
 Valsa Menispermi, Ell. & Holw.

## BERBERIDACEAE.

***Berberis Aquifolium*, Pursh.**  
 Puccinia Berberidis, Mont.  
 Puccinia mirabilissima, Pk.  
 Uromyces sanguineus, Pk.  
***Berberis Canadensis*, Pursh.**  
 { Aecidium Berberidis, Gmel.  
 { Caeoma (Aecidium) berberidatum, Lk.  
 { Dothidea Berberidis, (Wahl.) De Not.  
 { Plowrightia Berberidis, Sacc.  
 { Sphaeria aequilinaris, S.  
 { Diatrype aequilinaris, M. A. Curtis.  
 { Sphaeria Berberidis, P.  
 { Cucurbitaria Berberidis, Gray.  
 Valsaria Farlowiana, Sacc.  
***Berberis pinnata*, Lagasca.**  
 Phacidium coronatum, Fr.  
***Berberis repens*, Lindl.** 185  
 Puccinia mirabilissima, Pk.  
***Berberis*, sp. indet.**  
 Phoma melalecum, B. & C.  
 { Phyllactinia guttata, Lev.  
 { Sphaeria velata, P.  
 { Diaporthe velata, Nits.  
***Caulophyllum thalictroides*, Michx.**  
 Cercospora Caulophylli, Pk.

- { *Polyactis streptothrix*, C. & E.
- ↳ *Botrytis streptothrix*, Sacc.
- Podophyllum peltatum*, L. 165
- { *Aecidium Podophylli*, S.
- ↳ *Caeoma* (*Aecidium*) *podophyllum*, S.
- { *Ascospora Podophylli*, M. A. Curtis.
- ↳ *Phyllosticta Podophylli*, Wint.
- { *Puccinia Podophylli*, S.
- ↳ *Puccinia aculeata*, Lk.
- Septoria podophyllina*, Pk.

## NYMPHAEACEAE.

*Nymphaea odorata*, Ait.

*Cercospora nymphaeacea*, C. & E.

## SARRACENIACEAE.

*Sarracenia flava*, L. 165

- Peziza atrata, P.
- Sphaeria Sarraceniae, S.
- Sarracenia purpurea*, L. 165
- Peckia Sarraceniae, Pk. & Clinton.
- { Sphaeria Sarraceniae, S.
- ↳ Sphaerella Sarraceniae, Sacc.
- { Sphaeria scapophila, Pk.
- ↳ Leptosphaeria scapophila, Sacc.

*Sarracenia rubra*, Walt.

- { Sphaeria Sarraceniae, S.
- ↳ Sphaerella Sarraceniae, Sacc.
- Sarracenia variolaris*, Michx.
- Sphaeria Sarraceniae, S.

## PAPAVERACEAE.

*Argemone platyceras*, Link & Otto. 185

- Gloeosporium Argemonis*, Ell. & Ev.

*Bocconia cordata*, Willd. 185

- { Sphaeria Bocconiae, C. & E.
- ↳ Leptosphaeria Bocconiae, Sacc.

*Dendromecon rigidum*, Benth.

- Massaria cleistotheca, Hark.
- Pleospora argyrospora, Hark.
- Sphaerella Dendromeconis, Cke. & Hark.

*Eschscholtzia Californica*, Cham. 185

- { *Entyloma Eschscholtzia*, Hark.
- ↳ *Heterosporium Eschscholtzia*, Hark.
- Peziza Eschscholtziae, Phil. & Hark.

*Papaver nudicaule*, L. 185

- Pleospora herbarum, (P.) Rabh.

*Sanguinaria Canadensis*, L.

- Cercospora Sanguinariae*, Pk.
- Cylindrosporium circinans*, Wint.
- Phyllosticta Sanguinariae*, Wint.

## FUMARIACEAE.

*Corydalis aurea*, Willd. var. *occidentalis*, 185

- Gray.
- Aecidium Dicentrae, Trelease.
- † *Peronospora Corydalis*, DBy.

- Corydalis Brandegei*, Watson.
- Puccinia Brandegei, Pk.
- Dicentra Canadensis*, DC.
- † *Peronospora Corydalis* DBy.
- Dicentra Cucullaria*, DC.
- Aecidium Dicentrae, Trelease.
- † *Peronospora Corydalis*, DBy.

## CRUCIFERAE.

*Arabis Holboellii*, Hornem. 186

Aecidium monoicum, Pk.

*Arabis Lyallii*, Watson.

Puccinia aberrans, Pk.

*Arabis*, sp. indet.

Aecidium Bahiae, B. & C.

† *Cystopus candidus*, (P.) Lev.

Pyrenophora depressa, Pk.

*Barbarea vulgaris*, R. Br. 186

Macrosporium caudatum, C. & E.

*Brassica nigra*, Koch.

† *Cystopus candidus*, (P.) Lev.

† *Peronospora parasitica*, (P.) Tul.

Pleospora media, Niessl.

*Brassica oleracea*, L. 186

Cladosporium atrum, Lk.

† *Cystopus candidus*, (P.) Lev.

Fusidium torulosum, B. & C.

{ *Helminthosporium Brassicola*, S.

↳ *Helminthosporium folliculatum*, Cda.

Macrosporium Brassicae, B.

Macrosporium Cheiranthi, Fr., var. circinans, B. & C.

Mucor Beaumontii, B. & C.

{ *Nectria Brassicae*, Ell. & Sacc.

↳ *Dialonectria Brassicae*, Ell. & Ev.

{ *Botrytis parasitica*, P.

↳ *Peronospora parasitica*, Tul.

Peziza brassicaecola, B.

Polyactis cana, B.

Sphaerella brassicaecola, (Duby) Ces. & DeNot.

Stilbum annulatum, B. & C.

Stilbum Spraguei, B. & C.

Tubercularia liceoides, Fr.

*Brassica Rapa*, L.

† *Cystopus candidus*, (P.) Lev.

*Brassica*, sp. indet. 186

Alternaria tenuis, Nees.

Aspergillus purpureofuscus, S.

Botrytis lateritia, S.

Dacryomyces capitatus, S.

Gibbera pulicaris, Fr.

Polyactis vulgaris, Lk.

Sarea brassicaecola, S.

Sphaeria Brassicae, S.

{ Sphaeria alericola, B. & C.

↳ Leptosphaeria alericola, Sacc.

*Sporotrichum sporulosum*, Lk.  
*Stachylium fulvum*, S.  
*Capsella Bursa-pastoris*, Moench.  
 Cylindrosporium Capsellae, Ell. & Ev.  
 +*Cystopus candidus*, (P.) Lev.  
 +*Peronospora parasitica*, (P.) Tul.  
*Cardamine rhomboidea*, DC. 186  
 +*Peronospora parasitica*, (P.) Tul.  
*Cheiranthus asper*, Cham. & Schl.  
 Pleospora vulgaris, Niessl.  
*Cheiranthus Menziesii*, Benth. & Hook.  
 Accidium auriellum, Pk.  
*Cheiranthus*, sp. indet.  
 Pleospora quadrisepata, Cke. & Hark.  
 Sphaeria Cruciferarum, Fr.  
 { Uredo Cheiranthi, P.  
 +*Cystopus candidus*, (P.) Lev.  
*Dentaria diphylla*, Michx.  
 +*Cystopus candidus*, (P.) Lev.  
 Septoria Dentariae, Pk.  
*Dentaria laciniata*, Muhl.  
 Chaetomella Stevensonii, Ell.  
 +*Peronospora parasitica*, (P.) Tul.  
 Septoria Sisymbrii, Ell.  
*Draba alpina*, L. 186  
 Sphaerella Stellarinearum, Karst.  
*Draba Caroliniana*, Walt.  
 +*Peronospora parasitica*, (P.) Tul.  
*Draba*, sp. indet.  
 Phoma Drabae, Fckl.  
 Pleospora hispida, Niessl.  
*Lepidium campestre*, R. Br.  
 Cercospora Lepidii, Pk.  
*Lepidium intermedium*, Gray. 186  
 +*Peronospora parasitica*, (P.) Tul.  
*Lepidium Virginicum*, L. 186  
 +*Cystopus candidus*, (P.) Lev.  
 +*Peronospora parasitica*, (P.) Tul.  
 Septoria lepidiicola, Ell. & Martin.  
 { Sphaeria Virginica, C. & E.  
 { Leptosphaeria Virginica, Sacc.  
*Matthiola incana*, R. Br.  
 Pleospora quadrisepata, Cke. & Hark.  
*Nasturtium Armoracia*, Fr.  
 +*Cystopus candidus*, (P.) Lev.  
 Macrosporium herculeum, Ell. & Martin.  
 +*Peronospora parasitica*, (P.) Tul.  
 Ramularia Armoraciae, Fckl.  
*Nasturtium palustre*, DC. 186  
 +*Cystopus candidus*, (P.) Lev.  
 +*Peronospora parasitica*, (P.) Tul.  
*Raphanus sativus*, L. 186  
 Cercospora Cruciferarum, Ell. & Ev.  
 +*Cystopus candidus*, (P.) Lev.  
 +*Peronospora parasitica*, (P.) Tul.

*Sisymbrium canescens*, Nutt. 186  
 +*Cystopus candidus*, (P.) Lev.  
*Sisymbrium officinale*, Scop. 186  
 +*Cystopus candidus*, (P.) Lev.  
 Septoria Sisymbrii, Ell.  
*Smelowskia calycina*, Meyer.  
 Aecidium Parryi, Pk.  
 Puccinia aberrans, Pk.  
*Thlaspi*, sp. indet.  
 { Uredo candida, P.  
 +*Cystopus candidus*, Lev.  
*Cruciferae*, sp. indet.  
 Pleospora Drabae, Schrt.  
 Puccinia Barbareae, Cke.

## CAPPARIDACEAE.

*Isomeris arborea*, Nutt.  
 Aecidium Anisacanthi, Pk.  
 Aecidium isomerinum, Pk.

## RESEDAEAE.

*Reseda odorata*, L.  
 Cercospora Resedae, Fckl.

## CISTACEAE.

*Hudsonia tomentosa*, Nutt.  
 Cucurbitaria Coremae, Ell. & Ev.  
 Diaporthe Conradii, Ell.

## PITTOSPORACEAE.

*Pittosporum*, sp. indet.  
 Diplodia Pittospori, Cke. & Hark.  
 Gibberella Saubinetii, (Mont.) Sacc.  
 Phoma Pittospori, Cke. & Hark.  
 Sphaerella Pittospori, Cke.  
 Stictis monilifera, Phil. & Hark.

## VIOLACEAE.

*Ionidium concolor*, Benth. & Hook.  
 Cercospora Columbiensis, Ell. & Ev.  
*Viola blanda*, Willd. 186  
 Cercospora Violae, Sacc.  
 Puccinia Violae, (Schum.) DC.  
*Viola canina*, L.  
 Puccinia Violae, (Schum.) DC.  
*Viola cucullata*, Ait.  
 Aecidium Mariae-Wilsoni, Pk.  
 { Aecidium Violae, Schum.  
 { Caeoma (Aecidium) violatum, Lk.  
 Cercospora granuliformis, Ell. & Holw.  
 Cercospora murina, Ell. & Kell.  
 Cercospora Violae, Sacc.  
 Phyllosticta Violae, Desm.

*Puccinia Violae*, DC.  
*Septoria Violae*, Westd.  
*Viola delphinifolia*, Nutt.  
 Aecidium Petersii, B. & C.  
 Aecidium Violae, Schum.  
*Puccinia Violae*, (Schum.) DC.  
*Viola hastata*, Michx. /  
 ( Aecidium Violae, Schum.  
 ( Caeoma (Aecidium) violatum, Lk.  
*Puccinia hastata*, Cke.  
*Viola lanceolata*, L.  
*Puccinia Violae*, (Schum.) DC.  
*Septoria Violae*, Westd.  
*Viola odorata*, L. /  
 Cercospora Violae, Sacc.  
*Viola pedata*, L.  
 Caeoma (Aecidium) pedatatum, S.  
 Aecidium Violae, Schum.  
*Viola primulæfolia*, L.  
*Puccinia hastata*, Cke.  
*Viola pubescens*, Ait. /  
 Aecidium Violae, Schum.  
 Ascochyta Violae, Sacc. & Speg.  
 Darluca filum, Cast.  
 ( *Puccinia Violae*, (Schum.) DC.  
 ( *Puccinia Violarum*, Lk.  
*Septoria Violae*, Westd.  
*Viola renifolia*, Gray.  
 Aecidium Violae, Schum.  
*Viola rostrata*, Muhl.  
*Puccinia Violae*, (Schum.) DC.  
*Viola rotundifolia*, Michx.  
*Puccinia Violae*, (Schum.) DC.  
 ( *Vermicularia concentrica*, Pk. & Clinton.  
 ( *Vermicularia Peckii*, Sacc.  
*Viola sagittata*, Ait.  
 Caeoma (Aecidium) sagittatum, S.  
*Viola striata*, Ait.  
*Puccinia Violae*, (Schum.) DC.  
*Viola tricolor*, L., var. *arvensis*, Ging.  
 Peronospora Violae, DBy.  
*Viola*, sp. indet. /  
 Uredo Violarum, DC.  
Urocystis Violae, B. & Br.

## POLYGALACEAE.

*Polygala cruciata*, L.  
 Cercospora grisea, C. & E.  
*Polygala grandiflora*, Walter.  
 ( *Dothidea Polygalæ*, S.  
 ( *Phyllachora Polygalæ*, Sacc.  
*Polygala lutea*, L.  
 ( Cercospora grisea, C. & E.  
 ( Cercospora minuta, C. & E.

*Polygala paucifolia*, Willd.  
*Puccinia Pyrolae*, Cke.  
*Septoria Polygalæ*, Pk. & Clinton.  
*Polygala Senega*, L.  
 Aecidium polygalinum, Pk.  
*Septoria consocia*, Pk.  
*Polygala*, sp. indet. /  
 Gibbera Saubinetii, Sacc.  
 Phoma Polygalæ, Cke. & Hark.  
 Phomatospora Berkeleyi, Sacc.

## CARYOPHYLLACEAE.

*Arenaria verna*, L.  
*Puccinia hysteriformis*, Pk.  
*Cerastium nutans*, Raf.  
 Aecidium Cerastii, Wint.  
*Cerastium oblongifolium*, Torr.  
*Septoria Cerastii*, Rob. & Desm.  
*Cerastium viscosum*, L.  
 Isariopsis pusilla, Fres.  
*Septoria Cerastii*, Rob. & Desm.  
*Cerastium vulgatum*, L.  
*Septoria Cerastii*, Rob. & Desm.  
*Cerastium*, sp. indet.  
 Uredo Caryophyllacearum, Johnst.  
*Dianthus barbatus*, L.  
 ( *Puccinia Dianthi*, DC.  
 ( *Puccinia Lychnidearum*, Lk.  
 Septoria Dianthi, Desm.  
*Dianthus Chinensis*, L.  
 Vermicularia subeffigurata, S.,  
 var. dianthicola,  
*Dianthus*, sp. indet.  
 ( *Sphaeria Dianthi*, A. & S.  
 ( *Ascochyta Dianthi*, Berk.  
 Asteroma Dianthi, Cke. & Hark.  
 Botryosporium prorumpens, S.  
 Polyactis vulgaris, Lk.  
 ( *Sphaerella caryophyllea*, Cke. & Hark.  
 ( *Laestadia caryophyllea*, Berl. & Vogl.  
*Lychnis Flos-cuculi*, L.  
 Leptothyrium Lychnidis, B. & C.  
*Lychnis vespertina*, Sibth.  
 Leptoria Melandrii, Pass.  
*Lychnis*, sp. indet.  
 Hymenula Lychnidis, Pk.  
Ustilago antherarum, Fr.  
*Saponaria officinalis*, L.  
 Macrosporium Saponariae, Pk.  
*Saponaria*, sp. indet.  
 ( *Sphaeria permunda*, Cke.  
 ( *Pleospora permunda*, Sacc.  
*Silene gallica*, L.  
 Pleospora oligomera, Sacc. & Speg.

*Silene noctiflora*, L.

Septoria Silenes, Ell. & Martin.  
Septoria noctiflorae, Ell. & Kell.

*Silene stellata*, Ait.

{ Septoria Silenes, Ell. & Martin.  
} Septoria silenicola, Sacc.

*Silene*, sp. indet.

Peronospora Arenariae, (B.) DBy., var.  
macrospora, Farl.

*Stellaria longipes*, Goldie.

Sphaerella Stellarinarum, Karst.

*Stellaria*, sp. indet.

Darluca interseminata, Wint.

## PARONYCHIEAE.

*Scleranthus annuus*, L.

Septoria Scleranthi, Desm.

## PORTULACACEAE.

*Calandrinia Leana*, Porter.

Uromyces unitus, Pk.

*Claytonia Caroliniana*, Michx.

Caeoma (Aecidium) claytoniatum, Schw.  
Puccinia Mariae-Wilsoni, Clinton.  
Uromyces Claytoniae, C. & P.

*Claytonia Virginica*, L.

Caeoma (Aecidium) claytoniatum, S.

## Peronospora Claytoniae, Farl.

Puccinia Mariae-Wilsoni, Clinton.

*Portulaca oleracea*, L.

{ Cystopus Bliti, (Bivon) Lev.  
} Cystopus Portulacae, (DC.) Lev.

*Portulaca*, sp. indet.

Phoma stigma, Cke. & Hark.

*Spraguea umbellata*, Torr.

Uromyces Spragueae, Hark.

## TAMARISCINEAE.

*Tamarix Gallica*, L.

{ Dothidea Tamaricis, Cke.  
} Bagnisiella Tamaricis, Sacc.

## HYPERICACEAE.

*Elodes Virginica*, Nutt.

{ Uromyces Hyperici, M. A. Curtis.  
} Uromyces Hyperici-frondosi, Arth.  
{ Uromyces triquetra, Cke.

*Hypericum aureum*, Barton.

{ Aecidium Hyperici-frondosi, S.  
} Caeoma hypericatum, Lk.  
{ Aecidium hypericatum, Auct.  
} Aecidium oblongum, Bon.  
Didymosporium complanatum, Nees.  
Fusarium effusum, S.

*Hypericum corymbosum*, Muhl.

Septoria sphaerelloides, Ell. & Kell.  
{ Uromyces Hyperici, M. A. Curtis.  
} Trichobasis Hyperici, Gerard.  
{ Uromyces Hyperici-frondosi, Arth.

*Hypericum ellipticum*, Hook.

Aecidium hypericatum, Auct.

*Hypericum mutilum*, L.

{ Aecidium hypericatum, Auct.  
} Aecidium minutissimum, Gerard.  
{ Caeoma (Uredo) Hyperici, S.  
} Uromyces Hyperici, M. A. Curtis.  
{ Uromyces Hyperici-frondosi, Arth.  
} Uromyces triquetra, Cke.

*Hypericum perforatum*, L.

Aecidium hypericatum, Auct.  
Leptostroma Hyperici, S.  
Uromyces triquetra, Cke.

*Hypericum prolificum*, L.

Botryosphaeria Hypericorum, Cke.  
Sphaerella hypericina, Ell.  
Sphaeria Hyperici, S.

*Hypericum pyramidatum*, Ait.

Aecidium hypericatum, S.  
{ Uromyces Hyperici, M. A. Curtis.  
} Uromyces Hyperici-frondosi, Arth.

*Hypericum Sarothra*, Michx.

Peziza atrocinerea, Cke.

*Hypericum*, sp. indet.

Sphaeria Hyperici, S.  
{ Sphaeria hypericina, B. & C.  
} Physalospora hypericina, Sacc.

## TERNSTROEMIACEAE.

*Gordonia lasiantha*, L.

Cystospora Gordoniae, B.  
Meliola cryptocarpa, Ell. & Martin.  
Phyllosticta Gordoniae, Ell. & Martin.

*Gordonia*, sp. indet.

Sphaerella Gordoniae, Cke.

## MALVACEAE.

*Abutilon Avicinnae*, Gaertn.

Cercospora althaeina, Sacc.  
Fusisporium roseum, Lk.

*Abutilon crispum*, Don.

Puccinia heterospora, B. & C.

*Abutilon holosericeum*, Scheele.

Uromyces pulcherrimus, B. & C.

*Abutilon Texense*, Torr. & Gr.

{ Puccinia heterospora, B. & C.  
} Uromyces pulcherrimus, B. & C.

*Althaea rosea*, L.

Cercospora althaeina, Sacc.  
Puccinia Malvacearum, Mont.

*Callirhoe involucrata*, Gray.

Aecidium Callirhoes, Ell. & Kell.  
Cercospora althacina, Sacc.

*Gossypium album*, Ham.

{ Sphaeria subconnata, S.  
Thuemenia valsarioides, Rehm.  
Botryosphaeria subconnata, Cke.

*Gossypium herbaceum*, L.

Fusisporium aurantiacum, Lk.  
Macrosporium gossypinum, Thm.

*Gossypium*, sp. indet.

Cercospora gossypina, Cke.  
Diplodia gossypina, Cke.

Diplodia herbarum, (Cda.) Lev., var. *Gossypii*,  
Sacc.

Dothiorella botryosphaerioides, Sacc.  
{ Melogramma horizontale, B. & C.

{ Botryosphaeria horizontalis, Sacc.  
Phoma *Gossypii*, Sacc.

Phoma subconnata, B. & C.

Phyllosticta gossypina, Ell. & Martin.

Rhinotrichum macrosporum, Farl.

{ Septoria arcuata, (B.) Sacc., var. *Gossypii*,  
Sacc.

{ Phlyctaena *Gossypii*, Sacc.

Septoria gossypina, Cke.

{ Sphaeria *Gossypii*, S.

{ Hyponectria ? *Gossypii*, Sacc.

Sphaeria millegrana, S.

Valsa gossypina, Cke.

*Hibiscus esculentus*, L.

Macrosporium abruptum, C. & E.

Macrosporium canificans, Thm.

Macrosporium hibiscinum, Thm.

Macrosporium spadiceum, Thm.

Mystrosporium polytrichum, Cke.

Phoma okra, Cke.

*Hibiscus militaris*, Cav.

{ Caeoma (Aecidium) hibisciatum, S.  
{ Aecidium hibisciatum, Auct.

{ Dothidea hibiscicola, S.  
{ Phyllachora hibiscicola, Sacc.

Sphaeria hibiscicola, S.

*Hibiscus Moscheutos*, L.

{ Aecidium hibisciatum, Auct.  
{ Aecidium Hibisci, M. A. Curtis.

Sphaeria hibiscicola, S.

*Hibiscus roseus*, Thor.

Dothidea atra, Fr.

{ Sphaeria Hibisci, S.  
{ Botryosphaeria Hibisci, Sacc.

Sphaeria tenella, S.

*Hibiscus Syriacus*, L.

Fusarium Berkelei, Mont.

Gibbera pulicaris, Fr.

{ Nectria offuscata, B. & C.

{ Nectriella offuscata, Sacc.

Peziza alboviolascens, A. & S.

{ Sphaeria Hibisci, S.

{ Melogramma Hibisci, B. & C.

Sphaerostilbe gracilipes, Tul.

Torula brevissima, B. & C.

*Hibiscus*, sp. indet.

Diaporthe ophites, Sacc.

Diplodia hibiscina, C. & E.

Fusarium Berkelei, Mont.

Hendersonia collapsa, C. & E.

Nectria offuscata, B. & C.

Peziza variecolor, Fr.

Stilbum cinereorubrum, B. & C.

*Lavatera assurgentifolia*, Kellogg.

Valsa Lavaterae, Cke. & Hark.

*Lavatera*, sp. indet.

Torula quaternata, B. & C.

*Malva Alcea*, L.

Sphaeria malvicola, S.

*Malva borealis*, Wallm.

{ Puccinia Malvacearum, Mont., var. *Malvas-*  
tri, Farl.

{ Puccinia Malvastri, Pk.

*Malva rotundifolia*, L.

{ Cercospora althaeina, Sacc.

{ Cercospora malvicola, Ell. & Martin.

{ Septoria destruens, Auct. Amer.

{ Septoria heterochroa, Desm.

Septoria malvicola, Ell. & Martin.

*Malva*, sp. indet.

Capillaria Malvacearum, S.

*Malvastrum coccineum*, Gray.

{ Puccinia Malvacearum, Mont., var. *Malvas-*  
tri, Farl.

{ Puccinia Malvastri, Pk.

Roestelia interveniens, Pk.

*Malvastrum marruboides*, Dur. & Hilg.

{ Puccinia Malvacearum, Mont., var. *Malvas-*  
tri, Farl.

{ Puccinia Malvastri, Pk.

*Malvastrum Thurberi*, Gray.

Roestelia interveniens, Pk.

*Malvaviscus Drummondii*, Torr. & Gr.

Puccinia heterospora, B. & C.

*Napaea dioica*, L.

Aecidium Napaeae, Arth. & Holw.

—Erysiphe Cichoracearum, DC.

*Sida lepidota*, Gray.

Puccinia lobata, B. & C.

*Sida physocalyx*, Gray.

Puccinia heterospora, B. & C.

*Sida spinosa*, L.

Phyllosticta spinosa, Ell. & Kell.

{ Puccinia heterospora, B. & C.

{ Puccinia Thwaitesii, (B. & Br.) Wint.

*Sida supina*, L'Her.

Puccinia heterospora, B. & C.

*Sidalcea malvaeflora*, Gray.

Aecidium roestelioides, Ell. &amp; Ev.

Septoria destruens, Auct. Amer.

*Sidalcea*, sp. indet.

Ramularia Sidalceae, Ell. &amp; Ev.

*Malvaceae*, sp. indet.

Periconia byssoides, P.

## STERCULIACEAE.

*Fremontia Californica*, Torr.

Ascochyta Fremontiae, Hark.

## TILIACEAE.

*Tilia Americana*, L.

Agaricus aurivellus, Batsch.

Agaricus coloreus, Pk.

Agaricus tiliophilus, Pk.

{ Cercospora microsora, Sacc.

{ Cercospora Tiliae, Pk.

Corticium laeve, P.

Cryptospora Tiliae, Pk.

Dendrophoma Tiliae, Pk.

{ Diatrype angularis, Pk.

{ Valsaria angularis, Sacc.

{ Diatrype tiliacea, Ell.

{ Hercospora tiliacea, Sacc.

{ Exosporum Tiliae, Lk.

{ Coryneum pulvinatum, Kze. &amp; Schm.

{ Helminthosporium Tiliae, Fr.

Fusarium erubescens, B. &amp; C.

{ Sphaeria Tiliae, P.

{ Hercospora Tiliae, Tul.

Hypoxyton anthracodes, (Fr.) Mont.

Hypoxyton atropurpureum, Fr.

Massaria Curreyi, Tul.

Merulius sulcatus, Pk.

Naematelia nucleata, Fr.

Peziza Tiliae, Pk.

Solenia anomala, (P.) Fckl.

{ Sphaeria citrispora, B. &amp; C.

{ Physalospora citispora, Sacc.

Sphaeria maculaformis, P.

{ Sphaeria melanostyla, DC.

{ Gnomoniella melanostyla, Sacc.

Sphaeria nobilis, B. &amp; C.

{ Sphaeria phileura, C. &amp; P.

{ Amphisphaeria phileura, Sacc.

Sphaeronema Robiniae, B. &amp; C.

Sphaeropsis tiliacea, Pk.

Stemonitis ferruginea, Ehrb.

## Uncinula Clintonii, Pk.

*Tilia Americana*, L. var., *pubescens*, Loud.

Discosia minima, B. &amp; C.

*Tilia*, sp. indet.

Agaricus eximius, Pk.

Coryne Ellisii, B.

{ Diatrype Texensis, Ell. &amp; Ev.

{ Thyridaria Texensis, Berl. &amp; Vogl.

Epidochium nigricans, Fr.

Gomphidius viscidus, Fr.

Merulius haedinus, B. &amp; C.

Naematelia atrata, Pk.

Oudemium atrum, Lk.

Pestalozzia stictica, B. &amp; C.

Radulum Bennettii, B. &amp; C.

Sphaerella sparsa, (Wallr.) Awd.

Sphaeria barbata, P.

{ Sphaeria Clypeus, S.

{ Nummularia Clypeus, Cke.

{ Sphaeria furfuracea, Fr.

{ Valsa furfuracea, Fr.

{ Diaporthe furfuracea, Sacc.

{ Sphaeria incanescens, S.

{ Sphaerella incanescens, Cke.

{ Sphaeria variolaria, S.

{ Valsa variolaria, Cke.

{ Sphaeria velata, P.

{ Diaporthe velata, Nits.

{ Stemonites ovata, P.

{ Stemonites obtusata, Fr.

{ Comatricha Friesiana, (DBy.) Rostf.

## CAMELLIACEAE.

*Camellia Japonica*, L.

Hendersonia subalbicans, Gerard.

Pestalozzia Guepini, Desm.

*Thea Bohea*, L.

Sphaeria orthogramma, B. &amp; C.

## LINACEAE.

*Linum Breweri*, Gray.*L. congestum*, Gray.*L. drymarioides*, Curran.

Melampsora Lini, (P.) Desm.

*Linum sulcatum*, Riddel.

{ Peronospora Lini, Ell. &amp; Kell.

*Linum Virginianum*, L.

Cercospora Lini, Ell. &amp; Ev.

## GERANIACEAE.

*Erodium cicutarium*, L'Her.

Synchytrium papillatum, Farl.

*Geranium Carolinianum*, L.

Botrytis pellucida, S.

Caeoma (Aecidium) geraniatum, Lk.

{ Peronospora Geranii, Pk.

Pestalozziella subsessilis, Sacc. &amp; Ell.

Phyllosticta Geranii, Ell. &amp; Ev.

Septoria expansa, Niessl.

Stigmata Geranii, Fr.

*Geranium maculatum*, L.

{ Aecidium Geranii, DC.  
 { Aecidium Geranii-maculati, S.  
 { Caeoma (Aecidium) geraniatum, Lk.

Botrytis pellucida, S.

→ Erysiphe communis, (Wallr.) Fr.

⊕ { Peronospora Geranii, Pk.  
 { Peronospora nivea, Ung., var. Geranii, Farl.  
 Ramularia Geranii, Fekl.

→ Sphaerotheca Castagniei, Lev.

*Geranium Robertianum*, L.

{ Dothidea Robertiani, Fr.  
 { Stigmata Robertiani, Fr.

⊕ Peronospora Geranii, Pk.

*Impatiens Balsamina*, L.

Septoria nolitangeris, Ger.

Vermicularia Balsamitae, S.

*Impatiens fulva*, Nutt.

{ Aecidium Impatientis, S.  
 { Caeoma (Aecidium) impatientatum, S.  
 { Dothidea Impatientis, S.  
 { Asteroma Impatientis, M. A. Curtis.  
 { Phyllachora Impatientis, Sacc.

⊕ Peronospora obducens, Schrt.

{ Puccinia nolitangeris, Cda.  
 { Puccinia argentata, (Schultz) Wint.

Ramularia Impatientis, Pk.

Septoria nolitangeris, Gerard.

Sphaerella Impatientis, Pk. & Clinton.

Vermicularia subeffigurata, S.,  
 var. Impatientis, Sacc.,

*Impatiens pallida*, Nutt.

{ Aecidium Impatientis, S.  
 { Caeoma (Aecidium) impatientatum, S.

⊕ Peronospora obducens, Schrt.

{ Puccinia nolitangeris, Cda.  
 { Puccinia argentata, (Schultz) Wint.

Ramularia Impatientis, Pk.

Septoria nolitangeris, Gerard.

*Oxalis Acetosella*, L.

Didymium oxalinum, Pk.

Ramularia Oxalidis, Farl.

*Oxalis corniculata*, L.

Phyllachora oxalina, Ell. & Ev.

*Oxalis corniculata*, L., var. *stricta*, Sav.

→ Microsphaera Russellii, Clinton.

*Oxalis violacea*, L.

Aecidium Oxalidis, Thm.

*Pelargonium zonale*, Willd.

Amerosporium Geranii, Cke. & Hark.

Diaporthe elephantina, Cke. & Hark.

Diaporthe Geranii, Cke & Hark.

Leptosphaeria subcaespitosa, Cke. & Hark.

Physalospora Geranii, Cke. & Hark.

Tubercularia Geranii, Cke. & Hark.

Tubercularia sphaeroidea, Cke. & Hark.

*Tropaeolum minus*, L.

{ Sphaeria sarmenti, Cke. & Hark.  
 { Didymosphaeria sarmenti, Berl. & Vogl.

## RUTACEAE.

*Citrus aurantium*, L.

Capnodium Citri, B. & Desm.  
 { Oidium fasciculatum, Berk.  
 { Oospora fasciculata, Sacc. & Vogl.

*Citrus*, sp. indet.

Capnodium elongatum, B. & Desm.  
 { Discella Citri, Cke.  
 { Discula Citri, Sacc.  
 Pestalozzia Guepini, Desm.  
 Peziza lecideola, Fr.  
 { Torula pallida, B. & Rav.  
 { Oospora pallida, Sacc. & Vogl.

*Ptelea trifoliata*, L.

Aecidium Pteleae, B. & C.  
 Cercospora afflata, Wint.  
 \*Cercospora Pteleae, Wint.

*Xanthoxylum Americanum*, Mill.

Aecidium Xanthoxyli, Pk.  
 Dermatea Xanthoxyli, Pk.  
 { Lophiostoma obtectum, Pk.  
 { Lophidium obtectum, Sacc.  
 Septoria pachyspora, Ell. & Holw.  
 { Valsa Xanthoxyli, Pk.  
 { Pseudovalsa Xanthoxyli, Sacc.  
 { Fenestella Xanthoxyli, Sacc.

*Xanthoxylum Clava-Herculis*, L.

Cercospora Xanthoxyli, Cke.  
 Septoria pachyspora, Ell. & Holw.

*Xanthoxylum*, sp. indet.

{ Valsa stellulata, Fr.  
 { Eutypella stellulata, Sacc.

## SIMARUBEAE.

*Ailanthus glandulosus*, L.

{ Badhamia hyalina, (P.) B.  
 { Didymium simulans, Howe.  
 Cercospora glandulosa, Ell. & Kell.  
 Cladosporium delectum, C. & E.  
 Cucurbitaria Ravenelii, Cke. & Mass.  
 Cytopsora Ailanthi, B. & C.

{ Diderma albulum, Howe.  
 { Chondrioderma albulum, Cke.  
 { Diplodia Ailanthi, Cke.  
 { Botryodiplodia Ailanthi, Sacc.  
 Fusarium lateritium, Nees.

{ Hendersonia Berkeleyana, Lev.  
 { Camarosporium Berkeleyanum, Sacc.  
 { Leptostroma petiolorum, Cke.  
 { Leptothyrium petiolorum, Sacc.

Phoma glandulosum, Cke.

Polyporus contiguus, (P.) Fr.

Sphaerella Ailanthi, Cke.  
 { Sphaeropsis glandulosa, Cke.  
 { Dothiorella glandulosa, Sacc.  
 { Sphaeropsis tertia, Cke.  
 { Phoma tertia, Sacc.  
 { Macrophoma tertia, Berl. & Vogl.  
 Tubicularia Ailanthi, Cke.  
 Typhula gyrans, (Batsch.) Fr.  
 Valsa glandulosa, Cke.  
 { Valsa ventriosa, C. & E.  
 { Eutypella ventriosa, Sacc.

## MELIACEAE.

*Melia Azedarach*, L.

Agaricus corticola, P.  
 Agaricus meliigena, B. & Cke.  
 Cercospora Meliae, Ell. & Ev.  
 Corticium comedens, Fr.  
 Cucurbitaria cupularis, (P.) Cke.  
 Diatrype Azedarachtae, Cke.  
 Fusisporium azedarachinum, Thm.  
 Hypoxylon rubricosum, (Fr.) Mont.  
 { Hysterium rufulum, Spreng.  
 { Patellaria nigrocinnabarina, S.  
 { Tryblidiella rufula, Sacc.  
 { Hysterium nigrocinnabarinum, Rehm.  
 { Sphaeria Meliae, S.  
 { Melogramma Meliae, B. & C.  
 { Melogramma fuliginosum, Ell. p.p.  
 { Botryosphaeria Meliae, Sacc.  
 Melogramma Meliae, Herb. M. A. Curtis.  
 Nectria coccinea, (P.) Fr.  
 { Sphaeria Cucurbitula, Tode.  
 { Nectria Cucurbitula, Fr.  
 { Chilonectria Cucurbitula, Sacc.  
 Nectria ditissima, Tul.  
 { Sphaeria verrucosa, S.  
 { Nectria verrucosa, Sacc.  
 Pachnocybe rosella, B. & C.  
 Phoma petiolorum, Desm.  
 Sphaeria appendiculata, P.  
 Sphaerostilbe gracilipes, Tul.  
 { Valsa aculeans, (S.) B. & C.  
 { Calospora aculeans, Sacc.  
 ? Valsa stilbostoma, Fr.  
 Vermicularia rectispora, Cke.

## ILICINEAE.

*Ilex Dahoon*, Walt.

Asterina orbicularis, B. & C.  
 Phyllosticta terminalis, Ell. & Martin.  
*Ilex decidua*, Walt.  
 { Sphaeria friabilis, P.  
 { Diatrype friabilis, M. A. Curtis.  
 Fusarium helotiodoides, B. & C.

—Microsphaera Alni, (DC.) Wint.  
 —Phyllactinia suffulta, (Reb.) Sacc.  
 { Xyloma Ilicincola, S.  
 { Rhytisma Ilicincola, Fr.  
 { Xyloma velatum, S.  
 { Rhytisma velatum, Fr.  
 Tympanis Ravenelii, B. & C.  
*Ilex glabra*, Gray.  
 Asterina Ilicis, Ell.  
 Capnodium elongatum, B. & Desm.  
 Cercospora Ilicis, Ell.  
 Dermatea olivacea, Ell.  
 { Diatrype Badhami, Curr.  
 { Diaporthe Badhami, Sacc.  
 { ? Valsa ocularia, C. & E.  
 { ? Diaporthe ocularia, Sacc.  
 Nectria punicea, (Schm.) Fr.  
 Phacidium sphaeroideum, C. & E.  
 Sphaerella Ilicis, Ell.  
 Sphaerella Prini, Cke.  
 { Sphaeronema stellatum, Ell.  
 { Sphaerographium stellatum, Sacc.  
*Ilex laevigata*, Gray.  
 Tympanis Ravenelii, B. & C.  
*Ilex lucida*, Torr. & Gr.  
 { Asterina orbicularis, B. & C.  
 { Dimerosporium orbiculare, Martin.  
 Asterina pelliculosa, B.  
 Capnodium elongatum, B. & Desm.  
 Patellaria cyanea, Ell. & Martin, nec Cke.  
*Ilex mollis*, Gray.  
 Ramularia Prini, Pk.  
 { Xyloma Prini, S.  
 { Rhytisma Prini, Fr.  
*Ilex opaca*, Ait.  
 Asterina cuticulosa, Cke.  
 { Asterina orbicularis, B. & C.  
 { Dimerosporium orbiculare, Martin.  
 Cenangium microspermum, Sacc. & Ell.  
 Cercospora pulvinula, C. & E.  
 Chaetophoma ilicifolia, Cke.  
 { Valsa cercophora, Ell.  
 { Diaporthe cercophora, Sacc.  
 { Valsa angulata, Fr.  
 { Diatrypella nigroannulata, (Grev.) Nits.  
 { Diatrype opaca, Cke.  
 { Diatrypella opaca, Cke.  
 Diplodia ilicicola, Desm.  
 { Sphaeria Ilicis, Fr.  
 { Diplodia Ilicis, Fr.  
 Discosia deflectens, Sacc.  
 { Dothidea Ilicis, Cke.  
 { Bagnisiella Ilicis, Sacc.  
 Hypoxylon fuscum, (P.) Fr.  
 Leptothyrium ? foraminulatum, Sacc. & Ell.  
 { Sphaeropsis phacidoides, C. & E.  
 { Phoma phaciella, Sacc.  
 { Macrofoma phaciella, Berl. & Vogl.

*Pestalozzia stellata*, B. & C.  
*Peziza aquifoliae*, C. & E.  
 ( *Phacidium multivalve*, (DC.) Schm.  
 ) *Phacidium Ilicis*, Lib.  
*Phoma Ilicis*, Desm., var. *Ilicis-opacae*, Sacc.  
*Pilacre Petersii*, B. & C.  
*Polyporus dibaphus*, B. & C.  
*Polyporus ilicincola*, B. & C.  
*Rhytisma Curtisii*, B. & Rav.  
*Sphaerella ilicella*, Cke.  
*Sphaeria atrovirens*, A. & S.  
 ( *Sphaeria stemmatea*, Fr.  
 ) *Septoria stemmatea*, B.  
 ( *Sphaeria Ilicis*, Ell.  
 ) *Physalospora Ilicis*, Sacc.  
*Tympanis picastra*, B. & C.  
*Valsa didymospora*, Ell.  
***Ilex verticillata***, Grav.  
 ( *Cordyceps pistillariaeformis*, B. & Br.  
 ) *Torrubia clavulata*, Pk.  
*Diatrype Badhami*, Curr.  
*Glenospora Curtisii*, B. & Desm.  
*Hypoxylon callostroma*, (S.) B.  
*Ramularia Prini*, Pk.  
*Rhytisma Ilicis-Canadensis*, S.  
*Rhytisma Prini*, (S.) Fr.  
 ( *Sphaeria prinicola*, B. & C.  
 ) *Rosellinia prinicola*, Sacc.  
*Sphaeronema caespitosum*, Pk.  
*Tympanis stictica*, B. & C.  
***Ilex***, sp. indet.  
 ( *Excipula microspora*, C. & E.  
 ( *Amerosporium microsporum*, Sacc.  
 ( *Sphaeria nigrolecta*, B. & Rav.  
 ) *Anthostomella nigrolecta*, Sacc.  
*Corticium cremoricolor*, B. & C.  
*Cytospora leucosperma*, (P.) Fr.  
*Diplodia ilicicola*, Desm.  
*Discosia minima*, B. & C.  
*Macrosporium fasciculatum*, C. & E.  
*Mystrosporium orbiculare*, C. & E.  
*Pestalozzia annulata*, B. & C.  
*Phacidium elegantissimum*, B. & C.  
 ( *Sphaeropsis ilicicola*, C. & E.  
 ) *Phoma ilicicola*, Sacc.  
 ( *Sphaeria philoprina*, B. & C.  
 ) *Physalospora philoprina*, Sacc.  
*Septoria examinans*, B. & C.  
*Septoria ilicifolia*, C. & E.  
*Trichothecium roseum*, Lk.  
*Dactylium roseum*, (Lk.) B.  
*Valsa ceratophora*, Tul.  
*Valsa subcuticularis*, C. & E.  
***Nemopanthes Canadensis***, DC.  
 ( *Microsphaera Nemopanthis*, Pk.  
*Ramularia Nemopanthis*, C. & P.

( *Rhytisma Ilicis-Canadensis*, S.  
 ) *Rhytisma Canadensis*, Pk.  
*Tympanis Nemopanthis*, Pk.  
 ( *Valsa oxyspora*, Pk.  
 ) *Diaporthe oxyspora*, Sacc.  
*Venturia curviseta*, Pk.

## CYRILLEAE.

***Cyrilla racemiflora***, L.  
*Phyllosticta Cyrillae*, Ell. & Martin.

## CELASTRACEAE.

***Celastrus scandens***, L.  
*Asterina Celastri*, Ell. & Kell.  
*Corticium comedens*, (Nees.) Fr.  
 ( *Sphaeria subconfluens*, S.  
 ) *Diatrype subconfluens*, Cke.  
*Didymosporium erumpens*, S.  
 ( *Diplodia Celastri*, Cke.  
 ) *Botryodiplodia Celastri*, Sacc.  
*Exidia lurida*, S.  
 ( *Hendersonia abnormalis*, Pk.  
 ) *Camarosporium abnorme*, Sacc.  
*Leptothyrium Celastri*, B. & C.  
 ( *Sphaeria Celastri*, S.  
 ) *Nectria Celastri*, Pk.  
 ( *Nectria inaurata*, B. & Br.  
 ) *Aponectria inaurata*, Sacc.  
*Phoma pallens*, B. & C.  
 ( *Phyllactinia guttata*, Lev.  
 ) *Phyllactinia suffulta*, (Reb.) Sacc.  
 ( *Ramularia Celastri*, Ell. & Martin.  
 ) *Ramularia Celastri*, Pk.  
*Sphaeria mamillana*, Fr.  
*Sphaeria sarmentorum*, Fr.  
*Sphaeropsis celastrina*, Pk.  
 ( *Sphaeria propullans*, S.  
 cf. *Sphaeropsis propullans*, Pk.  
 ( cf. *Botryosphaeria propullans*, Cke.  
*Tubercularia Celastri*, S.  
 ( *Sphaeria dolosa*, Fr.  
 ) *Valsa dolosa*, Nits.  
***Euonymus Americanus***, L.  
*Cercospora Euonymi*, Ell.  
***Euonymus atropurpureus***, Jacq.  
 ( *Microsphaera Alni*, (DC.) Wint.  
*Ramularia Euonymi*, Ell. & Kell.  
***Euonymus Japonicus***, Thunb.  
*Cercospora destructiva*, Rav.  
 ( *Cytospora foliicola*, Lib., var.  
 ( *Geuthospora foliicola*, var. *Euonymi*, Cke.  
*Cicinnobolus Cesatii*, DBy.  
*Cladosporium fasciculatum*, Cda., var. *densum*, Cke.  
*Cladosporium punctulatum*, Sacc. & Ell.  
*Diplodia Euonymi*, West.

*Gibberella pulicaris*, (Fr.) Sacc.  
 { *Pestalozzia Planimi*, Vize.  
 { *Pestalozzia Euonymi*, Vize.

***Euonymus occidentalis***, Nutt.  
*Ramularia Euonymi*, Ell. & Kell.

***Euonymus vulgaris***, Scop.  
*Cercospora Euonymi*, Ell.

***Euonymus***, sp. indet.  
 { *Cucurbitaria seriata*, Pk.  
 { *Otthia seriata*, Sacc.

*Sphaeria (Leptosphaeria) Californica*, Cke. & Hark.

Microsphaera comata, Lev.  
 { *Sporidesmium Fumago*, Cke.  
 { *Sirodesmium Fumago*, Sacc.

? ***Pachystima Canbyi***, Gray.  
*Melasmia alnea*, Lev.

RHAMNACEAE.

***Berchemia volubilis***, DC.  
 { *Aecidium crassum*, P.  
 { *Aecidium pulcherrimum*, Rav.  
 { *Valsa Berchemiae*, Cke.  
 { *Eutypella Berchemiae*, Sacc.  
*Helminthosporium lanceolatum*, Cke.  
 { *Hysterium medium*, Cke.  
 { *Glonium medium*, Sacc.

? *Peziza earoleuca*, Rav. Fung. Am.  
 { *Triblidium rufulum*, Spr.  
 { *Tribliella rufula*, Sacc.

***Ceanothus Americanus***, L.  
 { *Discella microspora*, B. & C.  
 { *Discula microspora*, Sacc.  
 { *Erysiphe Ceanothi*, S.  
 - { *Microsphaera Alni*, (DC.) Wint.  
 { *Microsphaera Ceanothi*, Pk.  
 { *Sphaeria ceanothina*, Pk.  
 { *Physalospora ceanothina*, Sacc.

***Ceanothus ovatus***, Desf.  
*Aecidium Ceanothi*, Ell. & Kell.

***Ceanothus***, sp. indet.  
*Cytospora Ceanothi*, S.  
*Diatrype Ceanothi*, Cke. & Hark.

*Didymosphaeria Ceanothi*, Cke. & Hark.  
 { *Hysterium Ceanothi*, Phil. & Hark.  
 { *Hysterographium Ceanothi*, Berl. & Vogl.

*Leptosphaeria Ceanothi*, Cke. & Hark.  
 { *Sphaeria Ceanothi*, S.  
 { *Valsa Ceanothi*, Cke.

***Rhamnus alnifolia***, L'Her.  
 { *Aecidium Rhamni*, Gmel.  
 { *Aecidium crassum*, P.

***Rhamnus Californica***, Esch.  
*Capnodium Rhamni*, Cke. & Hark.  
*Diplodia Frangulæ*, Fckl.  
*Phoma communis*, Rob.  
*Phoma rhamnicola*, Cke. & Hark.

Pleospora Frangulæ, Fckl.  
*Tympanis Frangulæ*, Fr.

***Rhamnus cathartica***, L.  
*Aecidium crassum*, P.

***Rhamnus crocea***, Nutt.  
 { *Cytospora foliicola*, Lib.  
 { *Ceuthospora foliicola*, (Lib.).  
*Puccinia digitata*, Ell. & Hark.

***Rhamnus lanceolata***, Pursh.  
*Aecidium crassum*, P.  
*Dacryomyces deliquescens*, (Bull.) Duby.  
*Polyporus subspadiceus*, Fr.

***Rhamnus***, sp. indet.  
*Cercospora aeruginosa*, Cke.  
*Cercospora Rhamni*, Fckl.  
*Nectria Cucurbitula*, (Tode) Fr.  
*Sphaeropsis Rhamni*, Cke.

VITACEAE.

***Ampelopsis quinquefolia***, Michx.  
*Cercospora Ampelopsidis*, Pk.  
*Cercospora pustula*, Cke.  
 { *Sphaeropsis Ampelopsidis*, C. & E.  
 { *Phoma Ampelopsidis*, Sacc.  
 { *Macrophoma Ampelopsidis*, Berl. & Vogl.

Peronospora viticola, (B. & C.) DBy.  
*Phoma pallens*, B. & C.  
 { *Phoma uvicola*, B. & C.  
 { *Phyllosticta viticola*, Thm.  
 { *Phyllosticta Ampelopsidis*, Ell. & Martin.

*Podosporium rigidum*, S.  
*Spharonema Ampelopsidis*, B. & C.  
 { *Uncinula spiralis*, B. & C.  
 - { *Uncinula Ampelopsidis*, Pk.  
 { *Uncinula subfusca*, B. & C.

Uncinula Wallrothii, Lev.  
 { *Valsa Ampelopsidis*, Ell.  
 { *Cryptospora Ampelopsidis*, Sacc.  
 { *Sphaeria capsularis*, P.  
 { *Valsa capsularis*, (P.) Fr.  
 { *Valsa ambiens*, (P.) Fr.

***Vitis aestivalis***, Michx.  
 { *Thelephora viticola*, Fr.  
 { *Corticium viticolum*, Fr.  
 { *Corticium crocicreas*, B. & C.  
 { *Diplodia viticola*, Desm.  
 { ? *Diplodia Vitis*, Desm.

*Discosia artocreas*, (Tode) Fr., var. *viticola*, Cke.  
 { *Dothidea picea*, B. & C.  
 { *Phyllachora picea*, Sacc.

*Excipula viticola*, S.  
*Hendersonia ampelina*, Thm.  
*Hydnnum luteopallidum*, S.  
 { *Leptothyrium longisporum*, Thm.  
 { *Phoma longispora*, Cke.  
 { *Macrophoma longispora*, Berl. & Vogl.

- ◆ *Peronospora viticola*, (B. & C.) DBy.  
*Pestalozzia pezizoides*, DeNot.  
 { *Coniothyrium ampelinum*, Cke.  
 } *Phoma ampelogena*, Sacc.  
*Phoma ustulata*, B. & C.  
*Phoma uvicola*, B. & C.  
*Rhytisma monogramme*, B. & C.  
*Rhytisma Vitis*, S.  
*Septoria ampelina*, B. & C.  
*Sphaeria pruina*, S.  
*Sporocybe byssoides*, (P.) Fr.  
 - *Uncinula spiralis*, B. & C.  
***Vitis arborea*, L.**  
*Podosporium rigidum*, S.  
***Vitis Californica*, Benth.**  
 { *Septosporium Fuckelii*, Thm.  
 } *Cercospora Roesleri*, (Catt.) Sacc.  
 { *Cladosporium viticolum*, Ces.  
 } *Cercospora viticola*, Sacc.  
 + *Peronospora viticola*, (B. & C.) DBy.  
*Phoma Vitis*, Bon.  
***Vitis cordifolia*, Lam.**  
*Ascochyta ampelina*, Sacc.  
*Cercospora viticola*, (Ces.) Sacc.  
*Corticium calceum*, (P.) Fr.  
 + *Peronospora viticola*, (B. & C.) DBy.  
*Phoma ustulata*, B. & C. (?)  
 { *Phoma uvicola*, B. & C.  
 } *Phyllosticta Labruscae*, Thm.  
*Septoria Kellermaniana*, Thm.  
 - *Uncinula spiralis*, B. & C.  
 { *Uncinula Americana*, Howe.  
***Vitis indivisa*, Willd.**  
*Cercospora truncata*, Ell. & Ev.  
***Vitis Labrusca*, L.**

## PERONOSPOREAE.

- + { *Botrytis viticola*, B. & C.  
 } *Peronospora viticola*, DBy.

## PYRENOMYCETES.

- Acrospermum compressum*, Tode.  
*Acrospermum Ravenelii*, B. & C.  
*Erysiphe necator*, S.  
 { *Hysterium australe*, Duby.  
 } *Gloniopsis australis*, Sacc.  
 { *Hysterium commune*, Fr.  
 } *Hypoderma commune*, Duby.  
 { *Hysterium Rubi*, P.  
 } *Hypoderma Rubi*, DeNot.  
 { *Hysterium viticolum*, C. & P.  
 } *Hysterographium viticolum*, Rehm.  
*Leptostroma sphaeroides*, Fr.  
 { *Lophiostoma sexnucleatum*, Cke.  
 } *Lophiotrema sexnucleatum*, Sacc., var. *Peckianum*, Sacc.  
 { *Dothidea viticola*, S.  
 } *Phyllachora viticola*, Sacc.

- { *Sphaeria subfasciculata*, S.  
 } *Psilosphaeria (Melanopsamma) sufasciculata*, Cke.  
 { *Sphaeria sentina*, Fr.  
 } *Sphaerella sentina*, (Fr.).  
*Sphaeria ampelos*, S.  
 - { *Uncinula spiralis*, B. & C.  
 } *Uncinula Ampelopsidis*, Pk.  
 { *Uncinula Americana*, Howe.  
 } *Uncinula subfuscata*, B. & C.  
 - *Uncinula spiralis*, B. & C., var. *racemorum*, Thm.  
 { *Sphaeria Vitis*, S.  
 ? *Diatrype Vitis*, B. & C.  
*Valsa Vitis*, B. & C.  
 { *Sphaeria propagata*, Plow.  
*Eutypa viticola*, Sacc.  
 { *Cryptosphaeria propagata*, Sacc.  
*Sphaeria insitiva*, Tode.  
 { *Diatrype insitiva*, Fr.  
*Valsaria insitiva*, Ces. & DeNot.

## SPHAEROPSIDEAE.

- Ascochyta Ellisii*, Thm.  
*Cytospora coryneoides*, B. & C.  
*Diplodia viticola*, Desm.  
 { *Sphaeropsis Peckiana*, Thm.  
 } *Phoma Peckiana*, Sacc.  
 { *Macrophoma Peckiana*, Berl. & Vogl.  
*Phoma ampelina*, B. & C.  
 { *Naemaspore ampelicida*, Engelm.  
*Phoma uvicola*, B. & C.  
*Depazea Labruscae*, Engelm.  
*Septoria viticola*, B. & C.  
*Phoma uvicola*, B. & C., var. *Labruscae*, Thm.  
*Phyllosticta viticola*, Thm.  
*Phyllosticta Labruscae*, Thm.  
*Sacidium viticolum*, Cke.  
 { *Phyllosticta Ampelopsidis*, Ell. & Martin.

## HYPHOMYCETES.

- Alternaria tenuis*, Nees.  
 { *Cladosporium viticolum*, Ces.  
*Cladosporium ampelinum*, Pass.  
*Graphium clavisporum*, B. & C.  
*Helminthosporium Vitis*, Pirotta.  
*Cercospora viticola*, Sacc.  
*Isariopsis clavispora*, Sacc.  
*Epochnium monilioides*, Lk.  
*Gonytrichum caesium*, Nees.  
*Myrothecium convexum*, B. & C.  
*Sporotrichum alutaceum*, S.  
*Sporotrichum viticolum*, S.  
*Tubercularia subdiaphana*, S.  
*Volutella ciliata*, (A. & S.) Fr.

## DISCOMYCETES.

- Calloria vinosa*, (A. & S.) Fr.  
 { *Peziza viticola*, S.  
 } *Tympanis viticola*, Fr.  
*Cenangium viticolum*, Fckl.

*Helotium pullatum*, Gerard.  
*Peziza ascoboloidea*, S.  
*Peziza penicillata*, S.  
*Peziza viticola*, P., nec S.  
*Peziza Vitis*, S.  
 { *Stictis prominula*, S.  
 { *Propolis prominula*, Cke.

## HYMENOMYCETES.

{ *Thelephora albidoarnea*, S.  
 { *Corticium albidoarneum*, Rav.  
 { *Peziza villosa*, P.  
 { *Cyphella villosa*, Karst.  
*Marasmius viticolus*, B. & C.  
*Merulius Corium*, Fr.  
 { *Boletus papyraceus*, S.  
 { *Polyporus vaporarius*, (P.) Fr., var. b.  
 { *Polyporus papyraceus*, S.  
 { *Polyporus vaporarius*, (P.) Fr.,  
   var. *papyraceus*, Thm.  
*Polyporus viticulus*, S.

## MISCELLANEA.

*Cyathus striatus*, (Huds.) Hoffm.  
*Dacryomyces viticulus*, S.  
*Ditiola sulcata*, (Tode) Fr.  
*Pestalozzia pezizoides*, DeNot.  
***Vitis riparia***, Michx.  
 { *Hysterium flexuosum*, S.  
 { *Hysterographium flexuosum*, Rehm.  
**+** *Peronospora viticola*, (B. & C.) DBy.  
*Pestalozzia Jefferisii*, Ell.  
*Pestalozzia pezizoides*, DeNot.  
*Phyllosticta spermoides*, Pk.  
*Septoria Kellermaniana*, Thm.

***Vitis vinifera***, L.

{ *Peziza vinosa*, A. & S.  
 { *Calloria vinosa*, Fr.  
*Cenangium viticolum*, Fckl.  
 { *Helminthosporium Vitis*, Pirotta.  
 { *Cercospora viticola*, (Ces.) Sacc.  
*Cytospora Vitis*, Mont.  
*Diplodia viticola*, Desm.  
*Helminthosporium siliquosum*, B. & C.  
*Hendersonia longipes*, B. & C.  
 { *Hysterium viticolum*, C. & P.  
 { *Hysterographium viticolum*, Rehm.  
*Nectria viticola*, B. & C.  
**+** *Peronospora viticola*, (B. & C.) DBy.  
*Pestalozzia pezizoides*, DeNot.  
*Peziza penicillata*, S.  
*Peziza viticola*, P., nec S.  
*Phoma ampelina*, B. & C.  
*Phoma confluens*, B. & C.  
 { *Phoma uvicola*, B. & C.  
 { *Septoria viticola*, B. & C.

{ *Sphaeria uvaesarmenti*, Cke.  
 { *Physalospora uvaesarmenti*, Sacc.  
*Septoria ampelina*, B. & C.  
 { *Septoria falx*, B. & C.  
 { *Rhabdospora falx*, Sacc.  
*Sphaeronema viticolum*, B. & C.  
 { *Sphaeria antiqua*, Ell. & Ev.  
 { *Thyridium antiquum*, Ell. & Ev.  
*Uredo Vitis*, Thm.  
 { *Valsa Vitis*, B. & C.  
 { *Eutypa viticola*, Sacc.  
*Vermicularia compacta*, C. & E.

***Vitis vulpina***, L.

*Cercospora vulpina*, Ell. & Kell.  
*Helminthosporium siliquosum*, B. & C.  
*Hysterium flexuosum*, S.  
*Hysterium vulvatum*, S.  
*Patellaria atrofusca*, B. & C.  
**+** *Peronospora viticola*, (B. & C.) DBy.  
*Peziza cinereofusca*, S.  
 { *Sphaeropsis uvarum*, B. & C.  
 { *Phoma uvarum*, Sacc.  
 { *Phoma uvicola*, B. & C.  
 { *Phyllosticta viticola*, Thm.  
*Septoria ampelina*, B. & C.  
 { *Valsa Vitis*, B. & C.  
 { *Eutypa viticola*, Sacc.  
 { *Sphaeria viticola*, S.  
 { *Diatrype viticola*, B. & C.  
 { *Valsaria viticola*, Sacc.  
 { *Xerotus lateritius*, B. & Rav., nec B. & C.  
 { *Xerotus viticola*, B. & C.

***Vitis***, sp. indet.

## MYXOMYCETES.

*Lamproderma arcyrioides*, (Sommf.) Rostf.,  
 var. *iridea*, Cke.

## PYRENOMYCETES.

*Capnodium elongatum*, B. & Desm.  
 { *Nectria viticola*, B. & C.  
 { *Dialonectria viticola*, Cke.  
*Didymosphaeria bacchans*, Pass.  
 { *Hysterium Curtissii*, Duby.  
 { *Gloniella Curtissii*, Sacc.  
*Hysterium pulicare*, Fr.  
*Lophiostoma stenostomum*, Ell. & Ev.  
 { *Sphaeria Bidwellii*, Ell.  
 { *Physalospora Bidwellii*, Sacc.

## SPHAEROPSIDEAE.

*Coniothyrium Diplodiella*, (Speg.) Sacc.  
*Cytospora coryneoides*, B. & C.  
 { *Dichomera viticola*, Cke. & Hark.  
 { *Camarosporium viticolum*, Sacc.  
*Diplodia ampelina*, Cke.  
*Discella albomaculans*, Pk.  
*Discosia artocreas*, (Tode) Fr.

*Greeneria fuliginea*, Scribner & Viala.  
*Hendersonia corticalis*, Ell. & Ev.  
*Hendersonia sarmentorum*, Westd.  
 { *Sphaeropsis viticola*, Cke.  
 { *Phoma viticola*, Sacc.  
 { *Macrophoma viticola*, Berl. & Vogl.  
*Phoma longipes*, B. & C.  
*Phoma pallens*, B. & C.  
*Septoria Vitis*, B. & C.

## MELANCONIEAE.

{ *Gloeosporium ampelophagum*, Pass.  
 { *Sphaeloma ampelinum*, DBy.  
*Steganosporium viticolum*, Ell. & Ev.

## HYPHOMYCETES.

*Botrytis acinorum*, P.  
*Cladosporium Fumago*, Lk.  
*Dendryphium Harknessii*, Ell., var. *leptaleum*,  
 Ell.  
*Fusarium Schweinitzii*, Ell. & Hark.  
 { *Helminthosporium oosporum*, Cda.  
 { *Brachysporium oosporum*, Sacc.  
? *Oidium Tuckeri*, B. & Br.  
*Sporidesmium antiquum*, Cda.  
*Sporidesmium Rauii*, Ell. & Hark.  
*Tubercularia ciliata*, Lk.

## DISCOMYCETES.

{ *Peziza occulta*, Rehm.  
 { *Calloria occulta*, Rehm.  
*Helotium sarmentorum*, DeNot.  
*Helotium vitigenum*, DeNot.  
*Peziza cinerea*, Batsch.  
*Peziza scutula*, P.  
*Vibrissea hypogaea*, Thm. & Pass.

## HYMENOMYCETES.

*Agaricus applicatus*, Batsch, var. *sarmenti-  
 cius*, Sacc.  
 { *Corticium ceraceum*, B. & Rav.  
 { *Corticium molle*, B. & C.  
 { *Corticium armeniacum*, Thm.  
*Corticium confluens*, Fr.  
*Corticium hypopyrrhinum*, B. & C.  
*Cyphella virgulorum*, Cke.  
*Hydnus udum*, Fr.  
 { *Hydnus mucidum*, Gmel., var. *viticolum*, S.  
 { *Hydnus viticolum*, S.  
*Hydnus stipatum*, Fr.  
*Irpex viticolus*, C. & P.  
*Marasmius Vaillantii*, (P.) Fr.  
 { *Odontia fimbriata*, P.  
 { *Hydnus fimbriatum*, Fr.  
*Polyporus barbaeformis*, B. & C.

*Polyporus viticulus*, S.  
*Stereum cristatum*, B. & C.  
*Stereum Leveilleanum*, B. & C.

## SAPINDACEAE.

*Acer dasycarpum*, Ehrh.

*Alternaria tenuis*, Nees,  
 var. *condensata*, Sacc.

*Gloeosporium acerinum*, Westd.  
 { *Melanconis Everhartii*, Ell.  
 { *Melanconis dasycarpa*, Ell. & Kell.  
 { *Septoria Aceris*, (Lib.) B. & Br.  
 { *Phleospora Aceris*, Sacc.

*Phyllosticta acericola*, C. & E.  
 { *Rhytisma acerinum*, (P.) Fr.  
 { *Rhytisma Aceris-eriocarpe*, S.  
*Septoria acerina*, Pk.  
 { *Stilbospora piriforme*, Hoffm.  
 { *Stilbospora ovata*, P.  
 { *Steganosporium piriforme*, Cda.

—*Uncinula circinata*, C. & P.*Acer macrophyllum*, Pursh.

{ *Ceratostoma tinctum*, Ell. & Ev.  
 { *Rhynchospora tinctum*, Berl. & Vogl.  
*Chaetophoma atriella*, Cke. & Hark.  
*Diatrypella Frostii*, Pk.  
*Diplodia extensa*, Cke. & Hark.  
*Hypocrea contorta*, (S.) B. & C.  
*Hypoxyylon concurrens*, B. & C.  
*Melanconium magnum*, B.  
 { *Stilbospora Monotospora*, Cke.  
 { *Melanconium Monotospora*, Sacc.  
*Myriococcum sparsum*, Hark.  
*Sphaerella maculiformis*, (P.) Awd.  
 { *Stilbospora ovata*, P.  
 { *Steganosporium piriforme*, (Hoffm.) Cda.  
*Trichaegum opacum*, Cke. & Hark.  
*Valsa exigua*, Nits.

*Acer Pennsylvanicum*, L.

{ *Melogramma subaquilum*, B. & C.  
 { *Diaporthe subaquila*, Sacc.  
 { *Sphaeria sphaerellula*, Pk.  
 { *Didymella sphaerellula*, Sacc.  
 { *Discella obscura*, B. & C.  
 { *Discula obscura*, Sacc.  
 { *Hysterium rufilabrum*, B. & C.  
 { *Hypoderma rufilabrum*, Duby.  
*Hypoxyylon cohaerens*, (P.) Fr.  
*Lentinus haematopus*, B.  
*Leptostroma acerinum*, S.  
*Macrosporium concinnum*, B. & Br.  
*Phyllosticta acericola*, C. & E.  
 { *Xyloma punctatum*, P.  
 { *Rhytisma punctatum*, Fr.  
*Septoria acerina*, Pk.  
*Sphaeria corticis*, Fr.

Trichia reniformis, Pk.  
 -Uncinula circinata, C. & P.  
**Acer pseudoplatanus**, L.  
 Steganosporium cellulosum, Cda.  
**Acer rubrum**, L.

## PYRENOMYCETES.

{ Diatrype sphendaminina, B. & C.  
 { Diaporthe sphendaminina, Sacc.  
 { Sphaeria Hystrix, Tode.  
 { Diatrype Hystrix, Fr.  
 Diatrype platystoma, (S.) B.  
 { Sphaeria quadrata, S.  
 { Diatrype obesa, B. & C.  
 { Diatrype quadrata, B.  
 { Valsaria quadrata, Sacc.  
 { Valsa corynóstoma, B. & Rav.  
 { Eutypella corynóstoma, Sacc.  
 { Valsa rugiella, C. & E.  
 { Eutypella rugiella, Sacc.  
 { Hypocrea scutellaeformis, B. & Rav.  
 { Hypocrea Ravenelii, B.  
 { Broomella Ravenelii, Sacc.  
 Hypoxylon florideum, B. & C.  
 Hypoxylon jecorinum, B. & Rav.  
 Hypoxylon serpens, (P.) Fr.  
 { Hysterium flexuosum, S.  
 { Hysterographium flexuosum, Rehm.  
 { Depazea brunnea, B. & C.  
 { Sphaerella brunnea, Cke.  
 { Laestadia brunnea, Sacc.  
 { Sphaerella glaucescens, Cke.  
 { Laestadia glaucescens, Sacc.  
 { Massaria sudans, B. & C.  
 { Massariella sudans, Sacc.  
 Massaria vomitoria, B. & C.  
 { Sphaeria Clypeus, S.  
 { Nummularia Clypeus, Cke.  
 { Hypoxylon nummularium, Bull.  
 { Nummularia Bulliardii, Tul.  
 Sphaeria myriocarpa, Fr.  
 Sphaerostilbe flammea, Tul.  
 -Uncinula circinata, C. & P.  
 Valsa grisea, Pk.  
 Valsa pauperata, C. & E.  
 { Sphaeria stellulata, Fr.  
 { Valsa stellulata, Fr.  
 Xylaria corniformis, Fr.

## SPHAEROPSIDEAE.

Cytospora hyalosperma, Fr.  
 { Diplodia stenospora, B. & C.  
 { Diplodina stenospora, Sacc.  
 { Discella rugosa, B. & C.  
 { Discula rugosa, Sacc.  
 { Phoma albifructua, Pk.  
 { Macrophoma albifructua, Berl. & Vogl.  
 { Sphaeropsis minima, B. & C.  
 { Phyllosticta acericola, C. & E.  
 { Phoma minima, Sacc.

{ Sphaeronema acerinum, Pk.  
 { Sphaeronema nigripes, Ell.  
 { Sphaeronema Radula, B. & C.  
 { Rhynchophoma Radula, Sacc.

## HYPHOMYCETES.

Cheiromyces Beaumontii, B. & C. in Ellis.  
 Glenospora Curtissii, B. & Desm.  
 Helicosporium auratum, Ell.  
 Helminthosporium arbusculum, B. & C.  
 Helminthosporium persistens, Cke.  
 { Hymenella rhabdophora, B. & Rav.  
 { Hymenula rhabdophora, Sacc.  
 { Dematium salicinum, P.  
 { Sporotrichum salicinum, Fr.

## DISCOMYCETES.

Dermatea carnea, C. & E.  
 Pezicula acericola, Pk., var. gregaria, Pk.  
 Peziza miniopsis, Ell.  
 Peziza turbinulata, S.  
 { Xyloma acerinum, P.  
 { Rhytisma acerinum, Fr.  
 Tympanis picastra, B. & C.

## MISCELLANEA.

{ Corticium aschistum, B.  
 { Peniophora aschista, Cke.  
 Gloeosporium Aceris, Cke.  
 { Stereum neglectum, Pk.  
 { Peniophora neglecta, Pk.  
 { Stilbospora ovata, P.  
 { Steganosporium piriforme, (Hoffm.) Cda.  
**Acer saccharinum**, Wang.  
 Agaricus saccharinophilus, Pk.  
 ? Antennaria pinophila, Nees.  
 Asteroma Aceris, Rob.  
 Capnodium expansum, B. & Desm.  
 Corticium subgiganteum, B.  
 { Sphaeria spinosa, P.  
 { Sphaeria horrida, S.  
 { Eutypa spinosa, Tul.  
 Hydnium nudum, B. & C.  
 Hymenochaete corrugata, (Fr.) Lev.  
 Hymenochaete insularis, B.  
 { Diatrype cercidicola, B. & C.  
 { Hypoxylon suborbiculare, Pk.  
 Irpex tabacinus, B. & C.  
 Lophodermium petiolicolum, Fckl., var. acer-  
 inum, Pk.  
 Patellaria leptosperma, Pk.  
 { Septoria Aceris, (Lib.) B. & Br.  
 { Phleospora Aceris, Sacc.  
 Phyllosticta saccharina, Ell. & Martin.  
 Polyporus bombycinus, Fr.  
 Polyporus connatus, Fr.  
 Polyporus purpureus, Fr.

{ *Polyporus radiatus*, (Sow.) Fr.  
 { *Polyporus glomeratus*, Pk.  
*Polyporus sinuosus*, Fr.  
*Polyporus versicolor*, (L.) Fr.  
*Polyporus violaceus*, Fr.  
*Rhytisma acerinum*, (P.) Fr.  
*Rhytisma punctatum*, (P.) Fr.  
*Septoria Salliae*, Gerard.  
*Steganosporium cellulosum*, Cda.  
 — *Uncinula circinata*, C. & P.  
*Valsa leucostomoides*, Pk.  
**Acer saccharinum**, Wang., var. *nigrum*,  
 T. & G.  
*Massaria vomitoria*, B. & C.  
*Polyporus applanatus*, (P.) Wallr.  
*Polyporus resinosus*, (Schrad.) Fr.  
**Acer spicatum**, Lam.  
*Agaricus variabilis*, P.  
*Ascomyces letifer*, Pk.  
*Capnodium expansum*, B. & Desm.  
 { *Valsa acerina*, Pk.  
 { *Valsa albocincta*, C. & P.  
 { *Diaporthe acerina*, Sacc.  
 { *Diaporthe albocincta*, Sacc.  
 { *Valsa myinda*, C. & E.  
 { *Diaporthe myinda*, Sacc.  
*Discella obscura*, B. & C.  
 { *Sphaeria callista*, B. & C.  
 { *Fracchiaea callista*, Sacc.  
 { *Sphaeria petiophila*, Pk.  
 { *Gnomonia petiophila*, Berl. & Vogl.  
*Hydnus sulphurellum*, Pk.  
*Hysterium virgultorum*, (DC.), var. *Aceris*,  
 Desm.  
 { *Nodularia acericola*, Pk.  
 { *Dermatea acericola*, Cke.  
 { *Pezicula acericola*, Pk.  
*Polyporus semipileatus*, Pk.  
*Rhytisma punctatum*, (P.) Fr.  
*Sphaeria albidotoma*, Pk.  
*Sphaeria peliospora*, B. & C.  
 — *Uncinula circinata*, C. & P.  
*Valsella Laschii*, (Nits.) Sacc.  
**Acer**, sp. indet.

PYRENOMYCETES.

*Anthostoma saprophilum*, Ell. & Ev.  
 { *Sphaeria trames*, B. & C.  
 { *Botryosphaeria trames*, Sacc.  
 { *Sphaeria caminata*, C. & E.  
 { *Ceratostoma caminatum*, Sacc.  
 { *Sphaeria barbirostris*, Dufour.  
 { *Ceratostomella barbirostris*, Sacc.  
 { *Sphaeria rostrata*, Fr.  
 { *Ceratostomella rostrata*, Sacc.  
*Chaetomium velutinum*, Ell. & Ev.  
*Cryptovalsa eutypaeformis*, Sacc.  
*Dialonectria* (*Nectriella*) *vulpina*, Cke.

{ *Diaporthe Aceris*, Nits.  
 { *Valsa Aceris*, Cke.  
*Diatrype albopruinosa*, (S.) C. & E.  
 { *Sphaeria Stigma*, Hoffm.  
 { *Diatrype Stigma*, Fr.  
*Hypocrea gelatinosa*, (Tode) Fr.  
 { *Melogramma Aceris*, C. & E.  
 { *Hypoxyton Aceris*, Sacc.  
*Hypoxyton multiforme*, Fr.  
*Hysterium acerinum*, Frost. ?  
*Hysterium ellipticum*, Fr.  
*Hysterium Gerardi*, C. & P.  
*Hysterium stictoideum*, C. & E.  
*Hysterium vulvatum*, S.  
 { *Sphaeria Pezizula*, B. & C.  
 { *Lasiosphaeria Pezizula*, Sacc.  
*Lophiostoma macrostoma*, (Tode) Ces. &  
 DeNot.  
 { *Lophiostoma microstoma*, C. & E.  
 { *Lophiostoma scelestum*, C. & E.  
 { *Lophiostoma tingens*, Ell.  
 { *Lophidiun tingens*, Sacc.  
 { *Hysterium xylomoides*, Chev.  
 { *Lophodermium hysteroides*, (P.) Sacc.  
 { *Sphaeria inquinans*, Tode.  
 { *Massaria inquinans*, Fr.  
 { *Valsa stilbostoma*, Fr.  
 { *Melanconis stilbostoma*, Tul.  
 { *Sphaeria Papilla*, S.  
 { *Melanopsamma Papilla*, Sacc.  
*Melogramma campylosporum*, Fr.  
 { *Nectria Cucurbitula*, (Tode) Fr.  
 { *Chilonectria Cucurbitula*, Sacc.  
*Nectria cinnabarina*, (Tode) Fr.  
*Nectria coccinea*, (P.) Fr.  
*Nectria sanguinea*, (Sibth.) Fr.  
 { *Sphaeria microtheca*, C. & E.  
 { *Calosphaeria microtheca*, Sacc.  
 { *Physalospora microtheca*, Sacc.  
 { *Massaria seiridia*, B. & C.  
 { *Pseudovalsa profusa*, (Fr.) Cke.  
 { *Sphaeria megalocarpa*, Plow.  
 { *Rosellinia megalocarpa*, Sacc.  
 { *Sphaeria obtusissima*, B. & C.  
 { *Rosellinia obtusissima*, Sacc.  
 { *Sphaeria subiculata*, S.  
 { *Rosellinia subiculata*, Sacc.  
*Sordaria lutea*, Ell. & Ev.  
*Sphaeria pilulifera*, Fr.  
 { *Sphaeria vetusta*, Ell.  
 { *Teichospora vetusta*, Sacc.  
 { *Sphaeria culcitella*, B. & Rav.  
 { *Sphaeria acanthostroma*, Mont.  
 { *Trichosphaeria acanthostroma*, Sacc.  
 { *Byssosphaeria acanthostroma*, Cke.  
*Valsa decorticans*, Fr.  
*Valsa magnispora*, Ell. & Ev.  
 { *Sphaeria Pugillus*, S.  
 { *Valsa Pugillus*, Cke.

*Valsa quaternata*, Fr.  
*Valsa thelebola*. Fr.  
*Xylaria Hypoxylon*, (L.) Grev.  
 { *Sphaeria atriella*, C. & E.  
 { *Zignoella atrella*, Sacc.

## SPHAEROPSIDAE.

*Dinemasporium acerinum*, Pk.  
 { *Hendersonia collapsa*, C. & E.  
 { *Stagonospora collapsa*, Sacc.  
 { *Phoma consorta*, C. & E.  
 { *Phoma consors*, Sacc. Syll.  
*Sphaeropsis Clintonii*, Pk.

## MELANCONIEAE.

*Melanconium magnum*, B.  
*Naemaspore crocea*, Pers.  
 { *Stilbospore piriformis*, Hoffm.  
 { *Steganosporium piriforme*, Cda.

## HYPHOMYCETES.

*Arthrobotryum robustum*, C. & E.  
*Atractium flammeum*, B. & Rav., var. minor,  
 Rav.  
*Bactridium Ellisii*, B.  
*Botrytis fuliginosa*, C. & E.  
 { *Chromosporium lateritium*, Cke. & Hark.  
 { *Chromosporium Cookei*, Sacc.  
 { *Coniothecium effusum*, Cda.  
 { *Sporidesmium Lepraria*, B.  
*Dendryphium Ellisii*, Cke.  
 { *Helicoma Mülleri*, Cda.  
 { *Helicosporium Mülleri*, Sacc.  
 ? *Helminthosporium attenuatum*, C. & P.  
*Helminthosporium brachytrichum*, C. & E.  
*Helminthosporium macrocarpon*, Grev.  
*Helminthosporium septemseptatum*, Pk.  
*Septonema breviusculum*, B. & C.  
*Septosporium velutinum*, C. & E.  
 { *Synphragmidium effusum*, Pk.  
 { *Speira effusa*, Sacc.  
*Sporidesmium antiquum*, Cda.  
*Sporidesmium aurantiacum*, B. & C.  
*Sporidesmium hysterioideum*, C. & E.  
 { *Epochnium macrosporoideum*, B. & Br.  
 { *Stemphylium macrosporoideum*, Sacc.  
*Stilbum aleuriatum*, B. & C.  
*Stilbum cinnabarinum*, Mont.  
 { *Stilbum giganteum*, Pk.  
 { *Graphium giganteum*, Sacc.  
*Stilbum parvulum*, C. & E.  
 { *Torula uniformis*, Pk.  
 { *Hormiscium uniforme*, Sacc.  
*Tubercularia confluens*, P.

## DISCOMYCETES.

*Agyrium rufum*, (P.) Fr.  
*Helotium fraternum*, Pk.

*Helotium naviculaesporum*, Ell.  
*Patellaria cylindrospora*, Ell.  
*Patellaria nigrovirens*, Ell. & Sacc.  
*Peziza acerina*, C. & E.  
*Peziza aeruginosa*, P.  
*Peziza atrovirens*, P.  
*Peziza aurata*, B. & Rav.  
*Peziza Erinaceus*, S.  
*Peziza compressa*, P.  
*Peziza floriformis*, Pk.  
*Peziza paulupuncta*, C. & E.  
*Peziza rubella*, P.  
*Peziza simulata*, Ell.  
*Peziza vinosa*, A. & S., var. minor, C. & E.  
*Propolis lobata*, C. & E.  
*Stictis linearis*, C. & E.  
*Tympanis acerina*, Pk.  
*Tympanis bicolor*, Ell.  
*Tympanis rhabdospora*, B. & C.

## HYMENOMYCETES.

*Agaricus albocreulatus*, Pk  
*Agaricus atrocaeruleus*, Fr.  
*Agaricus bombycinus*, Schaeff.  
*Agaricus fulvotomentosus*, Pk.  
*Agaricus herbarum*, Pk.  
*Agaricus hirtosquamulosus*, Pk.  
*Agaricus lignatilis*, Fr.  
*Agaricus squarrosoides*, Pk.  
*Artocreas Micheneri*, B. & C.  
*Calocera cornea*, (Batsch) Fr.  
*Corticium confluens*, Fr.  
*Corticium Oakesii*, B. & C.  
*Cortinarius maculatus*, Johnson.  
*Hydnnum alutaceum*, Fr.  
*Hydnnum chlorinum*, Cke.  
*Lentinus haematopus*, B.  
*Marasmius spondoleucus*, B. & Br.  
*Panus stipticus*, (Bull.) Fr.  
 { *Sistotrema violaceum*. P.  
 { *Polyporus abietinus*, (Dicks.) Fr.  
*Polyporus contiguus*, (P.) Fr.  
*Polyporus fimbriatellus*, Pk.  
*Polyporus frondosus*, Fr.  
 { *Boletus gilvus*, S.  
 { *Polyporus gilvus*, Fr.  
*Polyporus semitinctus*, Pk.  
*Polyporus vaporarius*, Fr.  
*Polyporus vulgaris*, Fr.  
*Stereum acerinum*, (P.) Fr.  
*Stereum complicatum*, Fr.

## MISCELLANEA.

*Dacryomyces moriformis*, Fr.  
*Rhizoctonia aurantiaca*, Ell. & Ev.

***Aesculus Californica*, Nutt.**

Ascomyces deformans, B.  
 Diaporthe Aesculi, Cke. & Hark.  
 Diatrype asterostoma, B. & C.  
 Gloeosporium carpigenum, Cke.  
 Nectria cinnabarina, (Tode) Fr.  
 Nectria Zealandica, Cke.  
 Valsaria majuscula, Cke. & Hark.

***Aesculus flava*, Ait.**

{ Boletus Aesculi-flavae, S.  
 { Polyporus Aesculi, Fr.

***Aesculus glabra*, Willd.**

Aecidium Aesculi, Ell. & Kell.  
 Phyllosticta Aesculi, Ell. & Martin.  
 Phyllosticta sphaeropsoidea, Ell. & Ev.  
 Septoria Aesculi, (Lib.) Westd.

—Uncinula flexuosa, Pk.

***Aesculus Hippocastanum*, L.**

Agaricus comosus, Fr., var. albus, Pk.  
 Agaricus sapidus, Kalchb.  
 Laestadia Aesculi, Pk.  
 Phoma Clintonii, Pk.  
 Phyllosticta sphaeropsoidea, Ell. & Ev.  
 Septoria Hippocastani, B. & Br.

—Uncinula flexuosa, Pk.

***Aesculus*, sp. indet.**

Agaricus salignus, P.  
 Diatrype disciformis, (Hoffm.) Fr.  
 { Sphaeria Saubinetii, Mont.  
 { Gibberella Saubinetii, (Mont.) Sacc.  
 { Arcyria globosa, S.  
 { Lachnobolus globosus, Rostf.  
 { ?Leotia circinans, P.  
 { Vibrissea lutea, Pk.  
 Patellaria congregata, B. & C.  
 Peziza furfuracea, Roth.  
 Sphaeria aesculicola, Fr.  
 Stereum complicatum, Fr.  
 Trichia varia, P.  
 Vermicularia involuci, S.  
 Vermicularia petiolorum, S.

***Negundo aceroides*, Moench.**

Badhamia hyalina, (P.) B.  
 Comatricha pulchella, (Bab.) Rostf.  
 Coryneum Negundinis, B. & C.  
 { Fusisporium cinnabarinum, B. & C.  
 { Fusarium cinnabarinum, Sacc.  
 { Labrella scripta, S.  
 { Leptostroma scriptum, Fr.  
 { Sphaeria cristata, P.  
 { Sphaeria crenata, P.  
 { Lophiotrema crenatum, Sacc.  
 { Septoria Aceris, (Lib.) B. & Br.  
 { Phleospora Aceris, Sacc.  
 Phoma negundinicola, Thm.  
 Physarum polymorphum, (Mont.) Rostf.  
 Septoria acerella, Sacc.

## Sphaeronema nitidum, B. &amp; C.

## Stilbum aleuriatum, B. &amp; C.

***Negundo Californicum*, Torr. & Gr.**

## Phoma Lebiseyi, Sacc.

***Negundo*, sp. indet.**

{ Sphaeria excipuliformis, Fr.  
 { Lophiostoma excipuliforme, Ces. & DeNot.

***Sapindus marginatus*, Willd.**

Sphaerella Sapindi, Ell. & Ev.  
 { Sphaeria appendiculosa, B. & C.  
 { Anthostomella confusa, Sacc.

***Staphylea trifolia*, L.**

Cenangium Staphyleae, S.  
 { Stemonitis oblonga, Fr.  
 { Comatricha Persoonii, Rostf.  
 Coniothyrium Staphyleae, Pk.  
 Diaporthe Robergeana, (Desm.) Niessl.  
 Hendersonia Staphyleae, Ell. & Ev.  
 Leptosphaeria rubrotincta, Ell. & Ev.  
 Lophiostoma roseotinctum, Ell. & Ev.  
 { Sphaeria staphylina, Pk.  
 { Metasphaeria staphylina, Sacc.  
 { Sphaeria atrofusca, S.  
 { Nectria atrofusca, Ell. & Ev.  
 Ophiobolus staphylinus, Ell. & Ev.  
 { Oidium irregulare, Pk.  
 { Ovularia isarioides, Sacc.  
 { Ovularia irregularis, Trelease.  
 { Ramularia isarioides, Ell. & Ev.  
 Sacidium vegetans, S.  
 Septoria cirrhosa, Wint.  
 Sphaerella staphylina, Ell. & Ev.  
 Sphaeria Staphyleae, S.  
 { Periconia gracilis, S.  
 { Sporocybe gracilis, Sacc.  
 Stilbospora Staphyleae, S.  
 Vermicularia Staphyleae, S.

## ANACARDIACEAE.

***Datisca glomerata*, Benth. & Hook.**

## Phomatospora Datiscae, Hark.

***Pistacia Mexicana*, HBK.**

## Sphaerella Pistaciae, Cke.

***Rhus aromatica*, Ait.**

## Pileolaria effusa, Pk.

***Rhus aromatica*, Ait., var. *triloba*, Gray.**

{ Dichomera rhoina, Cke. & Hark.  
 { Camarosporium rhoinum, Sacc.

## Diplodia resurgens, Cke. &amp; Hark.

## Diplodia rhoina, Cke. &amp; Hark.

***Rhus copallina*, L.**

## PYRENOMYCETES.

{ Melogramma ambiguum, (S.) Rav.  
 { Botryosphaeria ambigua, Sacc.  
 { Valsa albovelata, B. & C.  
 { Diaporthe albovelata, Sacc.

Xyloma Rhois, S.  
 Dothidea Rhois, Fr.  
 Phyllachora Rhois, Sacc.  
 Sphaerotheca pruinosa, C. & P.  
 { Sphaeria aculeans, S.  
 { Valsa aculeans, B.  
 { Sphaeria quadrata, S.  
 { Diatrype quadrata, B.  
 { Valsaria quadrata, Sacc.  
 { Spnaeria rhoina, Ell. & Ev.  
 { Winteria rhoina, Berl. & Vogl.  
 Xylaria corniformis, Fr.

## MISCELLANEA.

Cercospora copallina, Cke.  
 Cercospora rhoina, C. & E.  
 Eurotium herbariorum, Lk.  
 Gonatobotrys maculicola, Wint.  
 Hainesia rhoina, Ell. & Sacc.  
 Helmintonsporium Arbuscula, B. & C.  
 Hendersonia hyalopus, B. & C.  
 Hydnnum Rhois, S.  
 { Sphaeropsis pulchella, B. & C.  
 { Phoma pulchella, Sacc.  
 Polyporus cupulaeformis, B. & C.  
 Septoria irregularis, Pk.  
 Sphaeroneima Rhois, B. & C.  
 { Sporocybe Rhois, B. & C.  
 { Stilbum Rhois, B. & C.  
 { Ascomyces deformans, B., var. purpurascens, Ell. & Ev.  
 { Taphrina purpurascens, Robinson.

*Rhus cotinoides*, Nutt.

{ Septoria Rhois, B. & C.  
 { Septoria rhoina, Sacc.

*Rhus diversiloba*, Torr. & Gr.

Botryosphaeria ambigua, (S.) Sacc.  
 Diatrype Rhois, (S.) Cke.  
 Diplodia resurgens, Cke. & Hark.  
 Diplodia rhoina, Cke. & Hark.  
 Ophiodothis tarda, Hark.  
 { Tryblidium rufulum, (Spreng.) Cke.  
 { Tryblidiella rufula, Sacc.  
 Uromyces punctato-striatus, Cke. & Hark.

*Rhus glabra*, L.

## PYRENOMYCETES.

Melogramma atrofuscum, B. & C.  
 Fuckelia atrofusca, Herb. Berk.  
 Diatrype atrofusca, Cke.  
 Anthostoma atrofuscum, Berl. & Vogl.  
 Sphaeria Sumachi, S.  
 Sphaeropsis Sumachi, C. & E.  
 Botryosphaeria Sumachi, Cke.  
 { Sphaeria rufescens, S.  
 { Sphaeria aculeans, S.  
 Valsa rufescens, M. A. Curtis.  
 Valsa aculeans, B.  
 Valsa rhoiphila, C. & E.  
 Calospora aculeans, Sacc.

{ Sphaeria elevans, S.  
 { Eutypa elevans, Cke.  
 Microthyrium microscopicum, Desm.  
 { Xyloma Rhois, S.  
 { Dothidea Rhois, Fr.  
 { Phyllachora Rhois, Sacc.  
 { Sphaeria subsimplex, S.  
 { Physalospora subsimplex, Sacc.  
 { Sphaeria quaternata, P., var. Americana, Fr.  
 { Quaternaria Persoonii, Tul., var. Americana.  
 { Sphaeria nigredo, S.  
 { Sphaerella nigredo, Cke.  
 Sphaeria Aucupariae, var. g., S.  
 Sphaeria rhoina, S.  
 Sphaerotheca pruinosa, C. & P.

## MISCELLANEA.

Cenangium Rhois, S.  
 Ceratosporium fuscescens, S.  
 Cercospora rhoina, C. & E.  
 Exidia applanata, S.  
 Hendersonia glabra, Cke.  
 Leptostroma rhoinum, S.  
 { Sphaeropsis pulchella, B. & C.  
 { Phoma pulchella, Sacc.  
 { Septoria Rhois, B. & C.  
 { Septoria rhoina, Sacc.  
 Sphaeronema pruinatum, Pk.  
 Sphaeropsis Frostii, B. & C.  
 Stemphylium Fuligo, B. & C.  
 { Sporocybe Rhois, B. & C.  
 { Stilbum Rhois, B. & C.

*Rhus Toxicodendron*, L.

Cercospora Toxicodendri, Ell.  
 Diaporthe sparsa, Pk.  
 Gloeosporium Toxicodendri, Ell. & Martin.  
 Phyllosticta toxica, Ell. & Martin.  
 Phyllosticta Toxicodendri, Thm.  
 { Polyporus dryadeus, S.  
 { Polyporus scapus, Fr.  
 { Sphaeria Aquila, Fr.  
 { Rosellinia Aquila, DeNot.  
 Septoria irregularis, Pk.  
 Septoria Toxicodendri, M. A. Curtis.  
 Tubercularia vulgaris, Tode.

{ Pileolaria Terebinthi, (DC.) Cast.  
 Pileolaria brevipes, B. & Rav.  
 Uredo Toxicodendri, B. & Rav.  
 Trichobasis Toxicodendri, B. & Rav.  
 Uromyces Toxicodendri, B. & Rav.  
 Uromyces Terebinthi, (DC.) Wint.  
 Xerotus nigrita, Lev.

Xerotus nigrita, Lev.  
*Rhus Toxicodendron*, L., var. *radicans*,  
 Torr.  
 { Sphaeria ambigua, S.  
 { Melogramma ambiguum, Rav.  
 { Botryosphaeria ambigua, Sacc.  
 { Sphaeria Rhois, S.  
 { Diatrype Rhois, Cke.  
 Dothidea rhoina, S.

{ *Xyloma Toxicodendri*, S.  
 { *Dothidea Toxici*, S.  
 { *Ectostroma toxicii*, M. A. Curtis.  
*Hydnnum Rhois*, S.  
*Lophiostoma radicans*, Ell. & Ev.  
*Melanconium cellulosum*, B. & C.  
*Podosporium rigidum*, S.  
*Polyporus Floridanus*, B.  
*Sphaerostilbe cinnabarina*, Tul.  
 { *Hysterium rufulum*, Spreng.  
 { *Tribliodiella rufula*, Sacc.  
 { *Valsa gemmata*, B. & C.  
 { *Calospora gemmata*, Sacc.  
 { *Sphaeria Toxici*, S.  
 { *Valsa Toxici*, B.  
 { *Valsaria Toxici*, Sacc.  
 { *Melogramma Toxici*, Cke.

***Rhus typhina*, L.**

*Ceratosporium fuscescens*, S.  
*Cytospora grandis*, Pk.  
 { *Sphaeria eutypa*, Fr.  
 { *Eutypa Acharii*, Tul.  
*Hysterium Rhois*, S.  
 { *Septoria Rhois*, B. & C.  
 { *Septoria rhoina*, Sacc.  
*Sphaeria mucida*, Fr., var. *rostellata*, S.  
*Sphaeropsis pallida*, Pk.  
 { *Sporocybe Rhois*, B. & C.  
 { *Stilbum Rhois*, B. & C.  
*Tubercularia floccosa*, Lk.  
 { *Sphaeria aculeans*, S.  
 { *Valsa aculeans*, B.  
 { *Calospora aculeans*, Sacc.  
 { *Valsa leptasca*, Pk. & Clinton.  
 { *Cryptospora leptasca*, Sacc.

***Rhus venenata*, DC.**

{ *Dothidea venenata*, C. & E.  
 { *Melogramma fuliginosum*, Ell. p. p.  
 { *Botryosphaeria venenata*, Sacc.  
*Corticium colliculosum*, B. & C..  
 { *Dermatea pallida*, Cke. in N. A. F.  
 { *Dermatea carnea*, C. & E., var. *pallida*, Ell.  
 { *Dermatea pallidula*, Cke.  
*Diatrype Duriae*, Mont.  
 { *Diatrype rhoina*, C. & E.  
 { *Calospora rhoina*, Sacc.  
 { *Hypoxyylon Morsei*, B. & C.  
 { *Fuckelia Morsei*, Cke.  
*Peziza theiodes*, C. & E.  
 { *Phoma fibriseda*, C. & E.  
 { *Apiosphaeria fibriseda*, Sacc.  
*Scoriomyces Cragini*, Ell. & Sacc.  
*Sphaeronema pruinatum*, Pk.  
*Sphaeropsis fibriseda*, C. & E.  
 { *Valsa rufescens*, (S.) M. A. Curtis.  
 { *Valsa rhoiphila*, C. & E.  
 { *Valsa aculeans*, (S.) B.  
 { *Valsa goniostoma*, (S.) M. A. Curtis.  
 { *Eutypella goniostoma*, Sacc.

*Zygodesmus rufus*, Ell.  
***Rhus*, sp. indet.**  
*Cytospora rhoina*, Fr.  
 { *Sphaeria pruinosa*, Fr.  
 { *Dendrophoma pruinosa*, Sacc.  
*Didymosporium corticale*, S.  
 { *Diplodia compressa*, Cke.  
 { *Botryodiplodia compressa*, Sacc.  
 { *Naemasporella Rhois*, B. & C.  
 { *Myxosporium Rhois*, Sacc.  
 { *Nectria inaurata*, B. & Br.  
 { *Aponectria inaurata*, Sacc.  
 { *Nectria Cucurbitula*, (Tode) Fr.  
 { *Chilonectria Cucurbitula*, Sacc.  
*Peziza triformis*, Fr.  
 { *Sphaeria subsolitaria*, S.  
 { *Diplodia subsolitaria*, Curr.  
 { *Physalospora subsolitaria*, Sacc.  
 { *Sistotrema digitatum*, P.  
 { *Radulum orbiculare*, Fr.  
 { *Sphaeria livida*, P.  
 { *Thyridium lividum*, Sacc.  
*Tubercularia dubia*, Lk.

**CORIARIEAE.**

***Coriaria myrtifolia* L.**

{ *Sphaeropsis macrospora*, B. & C.  
 { *Dothiorella macrospora*, Sacc.

**LEGUMINOSAE.**

*Papilionaceae.*

***Amorpha Californica*, Nutt.**

*Puccinia Amorphae*, M. A. Curtis.

***Amorpha canescens*, Nutt.**

*Cercospora passaloroides*, Wint.

*Puccinia Amorphae*, M. A. Curtis.

***Amorpha fruticosa*, L.**

*Cercospora passaloroides*, Wint.

{ *Aecidium Amorphae*, Cke.

{ *Puccinia Amorphae*, M. A. Curtis.

{ *Sphaeria dissepta*, Fr.

{ *Valsa dissepta*, Fr.

{ *Quaternaria dissepta*, Tul.

***Amorpha herbacea*, Walt.**

{ *Puccinia Amorphae*, M. A. Curtis.

{ *Uropyxis Amorphae*, Schr.

*Cladosporium Amorphae*, Thm.

***Amorpha microphylla*, Pursh.**

*Puccinia Amorphae*, M. A. Curtis.

***Amphicarpaea monoica*, Elliott.**

*Aecidium leguminosatum*, Lk.

*Aecidium Orobi*, P.

*Cercospora monoica*, Ell. & Holw.

{ *Erysiphe communis*, (Wallr.) Schl.

{ *Erysiphe Martii*, Lev.

{ *Xyloma scandentium*, S.

{ *Leptostroma scandentium*, S.

{ *Stilbum candidum*, Pk.  
 { *Stilbum Peckii*, Sacc.

{ *Uredo Leguminosarum*, Herb. Curt.  
 { *Uredo Fabae*, Herb. Curt.  
 { *Uredo aecidioides*, Pk.  
 { *Uredo Peckii*, Thm.  
 { *Synchytrium fulgens*, var. *decipiens*, Farl.  
 { *Synchytrium decipiens*, Farl.  
 { *Uromyces appendiculatus*, (P.) Lev.  
 { *Uromyces Phaseoli*, Wint.

***Apios tuberosa*, Moench.**

Aecidium *leguminosatum*, Lk.  
 { *Cercospora tuberosa*, Ell. & Kell.  
 { *Cercospora glaucescens*, Wint.  
*Uromyces Phaseoli*, Wint.

***Arachis hypogaea*, L.**

{ *Cladosporium personatum*, B. & C.  
 { *Cercospora personata*, Ell. & Ev.

***Astragalus bisulcatus*, Gray.**

{ *Sphaerella megastoma*, Pk.  
 { *Physalospora megastoma*, Sacc.

***Astragalus Canadensis*, L.**

{ *Erysiphe communis*, (Wallr.) Schl.  
 { *Erysiphe Martii*, Lev.

↳ *Peronospora Trifoliorum*, DBy.  
 { *Ramularia Astragali*, Ell. & Holw.  
 { *Didymaria Astragali*, Sacc.

***Astragalus Cooperi*, Gray.**

{ *Microsphaera Astragali*, (DC.) Trev.  
 { *Microsphaera holosericea*, (Wallr.) Lev.

***Astragalus Drummondii*, Dougl.**

{ *Sorosporium Astragali*, Pk.  
 { *Thecaphora Astragali*, Wor.

***Astragalus Menziesii*, Gray.**

*Phoma Astragali*, Cke. & Hark.

***Astragalus*, sp. indet.**

*Phyllosticta Astragali*, Pk.  
 { *Sphaeria Astragali*, Curr.  
 { *Sphaerella Astragali*, Cke.

*Septoria astragalicola*, Pk.  
 { *Fusidium Ravenelianum*, Thm.  
 { *Ramularia Desmodii*, Cke., var. *epiphylla*,  
 { Ell.

***Baptisia australis*, R. Br.**

*Cercospora velutina*, Ell. & Kell.

***Baptisia leucantha*, Torr. & Gr.**

{ *Sphaeria baptisiaecola*, Cke.  
 { *Sphaerella baptisiaecola*, Sacc.

***Baptisia leucophaea*, Nutt.**

Aecidium *amphigenum*, Ell. & Kell.  
*Sphaerella leucophaea*, Ell. & Kell.

***Baptisia perfoliata*, R. Br.**

*Macrosporium Baptisiae*, Thm.  
*Phoma Baptisiae*, Cke.  
*Septoria Baptisiae*, Cke.  
 { *Sphaeria Baptisiae*, Cke.  
 { *Anthostomella Baptisiae*, Sacc.  
*Sphaeropsis Baptisiae*, Thm.

***Baptisia tinctoria*, R. Br.**

↳ *Erysiphe Martii*, Lev.

{ *Sphaeria comatella*, C. & E.  
 { *Leptosphaeria comatella*, Sacc.  
*Sphaerella baptisiaecola*, Cke.  
*Sphaerella granulata*, Ell. & Ev.

***Colutea arborescens*, L.**

{ *Hendersonia Coluteae*, Pk. & Clinton.  
 { *Camarosporium Coluteae*, Sacc.

***Colutea*, sp. indet.**

*Dothidea Coluteae*, B. & C.

***Crotalaria sagittalis*, L.**

*Cercospora Demetrianiana*, Wint.

***Crotalaria verrucosa*, L.**

{ *Sporidesmium polymorphum*, Cda.  
 { *Stemphylium polymorphum*, Thm.

***Cytisus scoparius*, Lk.**

*Diaporthe Sarothamni*, Nits.  
*Diplodia Sarothamni*, Cke. & Hark.  
*Pestalozzia polychaeta*, Cke. & Hark.  
*Phoma Sarothamni*, Cke.  
*Sphaeria (Leptosphaeria) Californica*, Cke.  
 & Hark.

***Dalea laxiflora*, Pursh.**

*Cercospora Daleae*, Ell. & Kell.

***Desmanthus brachylobus*, Benth.**

{ *Cercospora condensata*, Ell. & Kell., var.  
 { *Desmanthi*, Ell. & Kell.  
 { *Cercospora Desmanthi*, Ell. & Kell.

***Desmodium acuminatum*, DC.**

*Cercospora Desmodii*, Ell. & Kell.  
 { *Dothidea perisporioides*, B. & C.  
 { *Parodiella perisporioides*, Speg.  
 { *Sorosporium Desmodii*, Pk.  
 { *Thecaphora Desmodii*, Wor.

***Desmodium Canadense*, DC.**

{ *Microsphaera diffusa*, C. & P.  
*Ramularia Desmodii*, Cke.

{ *Sphaeria perisporioides*, B. & C.  
 { *Dothidea perisporioides*, B. & C.  
 { *Dothidea seminata*, B. & Rav.  
 { *Stigmata seminata*, Sacc.  
 { *Parodiella perisporioides*, Speg.  
 { *Phyllachora perisporioides*, Pk.  
 { *Parodiella grammodes*, (Kze.) Cke.

*Uromyces Hedsyari-paniculati*, (S.) Farl.

***Desmodium canescens*, DC.**

{ *Microsphaera diffusa*, C. & P.  
 { *Dothidea perisporioides*, B. & C.  
 { *Parodiella perisporioides*, Speg.  
*Sphaerella Desmodii*, Wint.

{ *Uromyces Desmodii*, Thm.  
 { *Uromyces Hedsyari-paniculati*, (S.) Farl.

***Desmodium ciliare*, DC.**

*Ramularia Desmodii*, Cke.

{ *Uromyces Desmodii*, Thm.  
 { *Uromyces Hedsyari-paniculati*, (S.) Farl.

*Desmodium cuspidatum*, Hook.  
 — Microsphaera diffusa, C. & P.  
 Uromyces Hedsari-paniculati, (S.) Farl.

*Desmodium Dillenii*, Darling.  
 — { Microsphaera Mouggeotii, Lev.  
 { Microsphaera Lycii, (Lasch) Sacc. & Roum.

*Desmodium lineatum*, B. & C.  
 { Fusisporium pubescens, B. & C.  
 Ramularia Desmodii, Cke.  
 Fusidium Ravenelianum, Thm.  
 Cercospora Raveneliana, Sacc.  
 Dothidea simillima, B. & Rav.  
 Dothidea Desmodii, M. A. Curtis.  
 Phyllachora simillima, Sacc.  
 Parodiella simillima, Cke.

*Desmodium nudiflorum*, DC.  
 Cercospora Desmodii, Ell. & Kell.  
 { Sorosporium Desmodii, Pk.  
 { Thecaphora Desmodii, Wor.  
 Vermicularia uncinata, B. & C.

*Desmodium paniculatum*, DC.  
 — Microsphaera diffusa, C. & P.  
 { Puccinia Hedsari-paniculati, S.  
 Phragmidium Hedsari, S.  
 Uromyces solida, B. & C.  
 Uromyces Desmodii, Thm.  
 Uromyces Hedsari-paniculati, Farl.

*Desmodium rotundifolium*, DC.  
 Sclerotium Desmodii, Thm.  
 { Uromyces solida, B. & C.  
 Uromyces Desmodii, Thm.  
 Uromyces Hedsari-paniculati, (S.) Farl.

*Desmodium sessilifolium*, Torr. & Gr.  
 Uromyces Hedsari-paniculati, (S.) Farl.

*Desmodium strictum*, DC.  
 Cladosporium infuscans, Thm.  
 { Didymosporium Hedsari, S.  
 { Coryneum Hedsari, S.

Hypoderma virgultorum, DC.  
 { Sphaeria comatella, C. & E.  
 { Leptosphaeria comatella, Sacc.  
 { Sphaeria dissiliens, C. & E.  
 { Metasphaeria dissiliens, Sacc.

Pistillaria clavulata, Ell.  
 { Uromyces solida, B. & C.  
 Uromyces Desmodii, Cke.  
 Uromyces Hedsari-paniculati, (S.) Farl.

*Desmodium*, sp. indet.  
 Aecidium Orobi, P.  
 { Sphaeria desmodiana, C. & E.  
 { Diaporthe desmodiana, Sacc.  
 { Sphaeria Desmodii, Pk.  
 { Diaporthe Desmodii, Sacc.  
 { Sphaeria distributa, C. & E.  
 { Leptosphaeria distributa, Sacc.

Patellaria ferruginea, C. & E.  
 Peziza atrocinerea, Cke.  
 { Sphaeria phomopsis, C. & E.  
 Physalospora phomopsis, Sacc.

Sphaeria (Didymosphaeria) cupula, Ell.  
 Vermicularia compacta, C. & E.

*Dolichos melanophthalmus*, DC.  
 Septoria Melanophthalmi, B. & C.

*Dolichos*, sp. indet.  
 Acrospermum compressum, Tode.  
 Cercospora cruenta, Sacc.  
 Helminthosporium molle, B. & C.  
 Septoria Dolichi, B. & C.  
 { Sphaeria phlyctanoides, B. & C.  
 { Physalospora phlyctanoides, Sacc.

*Erythrina Crista-galli*, L.  
 Cercospora Erythrinae, Ell. & Ev.

*Erythrina herbacea*, L.  
 Sporocybe byssoides, (P.) Fr.

*Eysenhardtia amorphoides*, HBK.  
 ? Uromyces apiculatus, (Str.) Lev.

*Galactia pilosa*, Elliott.  
 Uromyces Phaseoli, Wint.

*Genista tinctoria*, L.  
 Dothidea tetraspora, B. & Br.

*Glycyrrhiza lepidota*, Pursh.  
 Cylindrosporium Glycyrrhizae, Hark.  
 Uromyces Trifolii, (Hedw. f.) Lev.

*Hedysarum boreale*, Nutt.  
*Hedysarum Mackenzii*, Richard.  
 Uromyces borealis, Pk.

*Hedysarum*, sp. indet.  
 Sphaeria Aegopodii, P.

*Hosackia glabra*, Torr.  
 Pestalozzia Moorei, Hark.  
 Phoma Hosackiae, Cke. & Hark.

*Hosackia Purshiana*, Benth.  
 Pleospora Leguminum, (Wallr.) Rabh.

*Hosackia strigosa*, Nutt.  
 Septoria Hosackiae, Hark.

*Hosackia*, sp. indet.  
 { Sphaerella (?) Hosackiae, Cke. & Hark.  
 { Ditopella Hosackiae, Sacc.

*Indigofera Caroliniana*, Walt.  
 { Dothidea perisporioides, B. & C.  
 { Parodiella perisporioides, Speg.

*Lathyrus latifolius*, L.  
 { Sphaeria lathyrina, B. & C.  
 { Sphaerella lathyrina, Cke.  
 { Didymella lathyrina, Sacc.

*Lathyrus maritimus*, Bigel.  
 Septoria Astragali, Rob.

*Lathyrus ochroleucus*, Hook.  
 — Microsphaera diffusa, C. & P.  
 Septoria Astragali, Rob.  
 { Uromyces Fabae, (P.) DBy.  
 { Uromyces Orobi, Fckl.

Uromyces polymorphus, Pk. & Clinton.

*Lathyrus paluster*, L.  
 Ascochyta Pisi, Lib.

— *Microsphaera Ravenelii*, B.  
*Septoria emaculata*, Pk. & Clinton.  
 { *Uromyces Fabae*, (P.) DBy.  
 { *Uromyces Orobi*, Fckl.  
***Lathyrus venosus***, Muhl.  
 Aecidium porosum, Pk.  
 — *Erysiphe communis*, (Wallr.) Schl.  
 { *Sphaeria Vizeana*, Cke.  
 { *Didymosphaeria Vizeana*, Sacc.  
 { *Uromyces Fabae*, (P.) DBy.  
 { *Uromyces Orobi*, Fckl.  
*Uromyces polymorphus*, Pk. & Clinton.  
***Lathyrus***, sp. indet.  
 Pleococcum pezizoideum, Cke.  
 Torula herbarum, Lk.  
***Lespedeza angustifolia***, Elliott.  
 { Aecidium leucostictum, B. & C.  
 { Aecidium Orobi, P., var. leucostictum, B.  
***Lespedeza capitata***, Michx.  
 { *Sphaeria Trifolii*, S. Car.  
 { *Sphaeria Lespedezae*, S.  
 { *Dothidea Lespedezae*, B.  
 { *Phyllachora Lespedezae*, Sacc.  
 { *Uromyces macrosporus*, B. & C.  
 { *Uromyces Lespedezae*, Pk.  
***Lespedeza hirta***, Elliott.  
 — *Microsphaera diffusa*, C. & P.  
 { *Puccinia Lespedezae-polystachyae*, S.  
 { *Uromyces Lespedezae*, Pk.  
***Lespedeza leptostachya***, Engelm.  
 Uromyces Lespedezae, Pk.  
***Lespedeza repens***, Barton.  
 Aecidium leucostictum, B. & C.  
 Phyllachora Lespedezae, (S.) Sacc.  
 { *Puccinia Lespedezae-procumbentis*, S.  
 { *Uromyces Lespedezae-procumbentis*,  
     M. A. Curtis.  
 { *Uromyces Lespedezae*, Pk.  
***Lespedeza striata***, Hook. & Arn.  
 — *Microsphaera diffusa*, C. & P.  
***Lespedeza violacea***, P.  
 — *Microsphaera diffusa*, C. & P.  
 { *Puccinia Lespedezae-procumbentis*, S.  
 { *Puccinia Lespedezae-polystachyae*, S.  
 { *Puccinia Lespedezae-violaceae*, S.  
 Uromyces Lespedezae-violaceae, M. A. Curtis.  
 { *Uromyces Lespedezae-procumbentis*, M. A. Curtis.  
 { *Uromyces macrosporus*, B. & C.  
 { *Uromyces Lespedezae*, Pk.  
 { *Uredo Lespedezae*, Thm.  
***Lespedeza***, sp. indet.  
 Darluca Filum, Cast.  
 { *Dothidea perisporioides*, B. & C.  
 { *Parodiella perisporioides*, Speg.  
***Lupinus arboreus***, Sims.  
 Diaporthe Lupini, Hark.  
 Diplodia Lupini, Cke. & Hark.  
 Hymenula Lupini, Cke. & Hark.  
 { *Phoma Lupini*, Cke. & Hark.  
 { *Macrophoma Lupini*, Berl. & Vogl.  
 Metasphaeria Lathyri, Sacc.  
 { *Dialonectria depallens*, Cke. & Hark.  
 { *Nectria depallens*, Berl. & Vogl.  
 Pleospora Leguminum, (Wallr.) Rabh.  
 Sordaria lanuginosa, Sacc.  
 Sphaeria (Didymella) Lupini, Cke. & Hark.  
 Sphaeropsis Lupini, Cke. & Hark.  
 Stictis decipiens, Karst.  
 Stictis Lupini, Phil. & Hark.  
 Valsa Lupini, Cke. & Hark.  
***Lupinus Chamissonis***, Esch.  
 Hendersonia Lupini, Cke. & Hark.  
***Lupinus densiflorus***, Benth.  
 Septoria Lupini, Hark.  
***Lupinus diffusus***, Nutt.  
 Cercospora Lupini, Cke.  
 Septosporium Lupini, Thm.  
***Lupinus Douglasii***, Agardh.  
 { *Uredo Lupini*, B. & C.  
 { *Uromyces Lupini*, B. & C.  
***Lupinus Kingii***, Watson.  
 Tuberculina Lupini, Farl.  
***Lupinus perennis***, L.  
 Cercospora filispora, Pk.  
 Cercospora longispora, Pk.  
 — *Erysiphe Martii*, Lev.  
***Lupinus polypyllus***, Lindl.  
 Uromyces Orobi, Fckl.  
***Lupinus villosus***, Willd.  
 Cercospora longispora, Pk.  
***Lupinus***, sp. indet.  
 Cryptosporium Lupini, Cke.  
 Nectria coccinea, (P.) Fr.  
 Nectria Peziza, (Tode) Fr.  
 { *Phoma Lupini*, Ell. & Ev.  
 Pleospora amplispora, Ell. & Ev.  
***Medicago denticulata***, Willd.  
 Uromyces oblonga, Vize.  
***Medicago lupulina***, L.  
 { *Uromyces striatus*, Schrt.  
 { *Uromyces Medicaginis-falcatae*, (DC.) Wint.  
***Medicago sativa***, L.  
 Gloeosporium Medicaginis, Ell. & Kell.  
 { *Ascobolus Trifolii*, Bernh.  
 { *Phacidium Trifolii*, Boud.  
 { *Septoria allantoidea*, B. & C.  
 { *Rhabdospora allantoidea*, Sacc.  
***Medicago***, sp. indet.  
 Phacidium Medicaginis, Lib.  
***Melilotus alba***, Lam.  
 Gloeosporium (Marsonia) Meliloti, Trelease.  
***Melilotus***, sp. indet.  
 { *Excipula lanuginosa*, Pk.  
 { *Cyphina lanuginosa*, Sacc.

{ *Sphaeria viridella*, Pk.  
 { *Leptosphaeria viridella*, Sacc.  
*Macrosporium Meliloti*, Pk.  
*Periconia pycnospora*, Fres.  
***Oxytropis Lambertii***, Pursh.  
 Trichobasis *Oxytropi*, Pk.  
***Petalostemon violaceus***, Michx.  
 Puccinia *Petalostemonis*, Farl.  
***Phaseolus diversifolius***, P.  
 Phyllosticta *phaseolina*, Sacc.  
 { *Uredo appendiculata*, P.  
 { *Puccinia Phaseoli-trilobi*, S.  
 { *Uromyces appendiculatus*, Lev.  
 { *Uromyces Phaseolorum*, (DC.) Tul.  
***Phaseolus helvolus***, L.  
 Uromyces *appendiculatus*, (P.) Lev.  
***Phaseolus lanatus***, L.  
 Cercospora *canescens*, Ell. & Martin.  
 Cladosporium *herbarum*, (P.) Lk.  
 Epicoccum *Duriaceanum*, Mont.  
 Fusarium *roseum*, Lk.  
 Vermicularia *polytricha*, Cke.  
***Phaseolus pauciflorus***, Benth.  
 Uromyces *Phaseoli*, Wint.  
***Phaseolus perennis***, Walt.  
 Microsphaera *diffusa*, C. & P.  
***Phaseolus vulgaris***, L.  
 Gloeosporium *Lindemuthianum*, Sacc. &  
     Magn.  
 Phyllosticta *phaseolina*, Sacc.  
 Uromyces *appendiculatus*, (P.) Lev.  
***Phaseolus Wrightii***, Gray.  
 { *Dothidea perisporioides*, B. & C.  
 { *Parodiella perisporioides*, Speg.  
***Phaseolus***, sp. indet.  
 Cercospora *cruenta*, Sacc.  
 Cercospora *Phaseolorum*, Cke.  
 Dothidea *Phaseolorum*, C. & E.  
 Epicoccum *micropus*, Cda.  
 Fusarium *oxysporum*, Schl.  
 { *Graphium laxum*, Ell.  
 { *Isariopsis laxa*, Sacc.  
 { *Sphaeria comatella*, C. & E.  
 { *Leptosphaeria comatella*, Sacc.  
 Macrosporium *fasciculatum*, C. & E.  
 Mystrosporium *polytrichum*, Cke.  
 Nectria *umbrina*, (P.) Fr.  
 Polyactis *vulgaris*, Lk.  
 Sphaeria (Diaporthe) *Phaseolorum*, C. & E.  
 Trichobasis *rubrum*, Bon.  
 Typhula *tenuissima*, M. A. Curtis.  
 Vermicularia *truncata*, S.  
***Pisum sativum***, L.  
 { *Erysiphe communis*, (Wallr.) Schl.  
 { *Erysiphe Martii*, Lev.  
 { *Sphaeria Pisi*, Sow.  
 { *Pleospora Pisi*, Fckl.  
 { *Uredo appendiculata*, P.  
 { *Uromyces appendiculatus*, Lev.  
***Psoralea argophylla***, Pursh.  
 Aecidium *porosum*, Pk.  
 Cercospora *latens*, Ell. & Ev.  
 Septoria *argophylla*, Ell. & Kell.  
 Uromyces *Argophyllae*, Seymour.  
***Psoralea lanceolata***, Pursh.  
 Aecidium *Psoraleae*, Pk.  
 Uromyces *Psoraleae*, Pk.  
***Psoralea macrostachys***, DC.  
 Calloria *myriospora*, Phil. & Hark.  
***Psoralea Onobrychidis***, Nutt.  
 Aecidium *Onobrychidis*, Burrill.  
***Psoralea orbicularis***, Lindl.  
 Leptosphaeria *Doliolum*, (P.) DeNot.  
***Psoralea physodes***, Dougl.  
 Uromyces *Psoraleae*, Pk.  
***Psoralea tenuiflora***, Pursh.  
 Aecidium *Orobi*, P.  
 Aecidium *Psoraleae*, Pk.  
 { *Dothidea perisporioides*, B. & C.  
 { *Parodiella perisporioides*, Speg.  
***Psoralea***, sp. indet.  
 Phoma *Psoraleae*, Cke.  
***Rhynchosia tomentosa***, Hook & Arn.  
 { *Depazea Rhynchosiae*, Thm.  
 { *Ascochyta Rhynchosiae*, Sacc.  
 Nectria *Peziza*, (Tode) Fr.  
 { *Sphaeria perisporioides*, B. & C.  
 { *Dothidea perisporioides*, B. & C.  
 { *Parodiella perisporioides*, Speg.  
***Rhynchosia***, sp. indet.  
 Graphium *hyalosporum*, B. & Rav.  
 Graphium *Leguminum*, Cke.  
***Robinia Pseudacacia***, L.  
 ? *Agaricus spectabilis*, Fr.  
 { *Sphaeria elongata*, Fr.  
 { *Cucurbitaria elongata*, Grev.  
 { *Naemaspora leucosperma*, P.  
 { *Cytospora leucosperma*, Fr.  
 Cytospora *parva*, B. & C.  
 { *Valsa oncostoma*, (Duby) Fckl.  
 { *Valsa personata*, C. & E.  
 { *Diaporthe oncostoma*, Fckl.  
 { *Diaporthe personata*, Sacc.  
 Dinemasporium *Robiniae*, Gerard.  
 Diplodia *profusa*, DeNot.  
 Diplodia *vulgaris*, Lev.  
 { *Valsa venusta*, Ell.  
 { *Eutypella venusta*, Sacc.  
 Sphaeria *pubens*, S.  
 Hendersonia *Robiniae*, Westd.  
 Hendersonia *pubens*, Herb. Curtis.  
 Hendersonia *subfenestrata*, B. & C.  
 Hendersonia *Sartwellii*, Herb. Curtis.  
 Camarosporium *Robiniae*, Sacc.  
 Camarosporium *subfenestratum*, Sacc.  
 Hysterium *truncatum*, P.

- { *Pachnocybe rosella*, B. & C.
  - { *Pachnocybe rosea*, B. & C.
  - { *Isaria rosea*, Sacc.
- Melanconium viscosum*, S. ?
- { *Naemaspora Russellii*, B. & C.
  - { *Myxosporium Russellii*, Sacc.
- Nectria cinnabrina*, (Tode) Fr.
- Nectria ditissima*, Tul.
- Phoma Leguminum*, Westd.
- { *Sphaeria profusa*, Fr.
  - { *Valsa profusa*, Fr.
  - { *Aglaospora profusa*, DeNot.
  - { *Massaria seiridia*, B. & C.
  - { *Pseudovalsa profusa*, Cke.
- { *Sphaeria intonsa*, S.
  - { *Coniochaeta intonsa*, Cke.
- { *Sphaeronema macrosporum*, B. & C.
  - { *Cornularia macrospora*, Sacc.
- Stereum muscigenum*, B. & Br.
- { *Sphaeria Robiniae*, S.
  - { *Diatrype Robiniae*, M. A. Curtis.
  - { *Valsa Robiniae*, Cke.
- Robinia viscosa*, Vent.**
- Melanconium viscosum*, S.
- Rhytisma Robiniae*, S.
- Sphaeria conspersa*, S.
- Sphaeria tuberculosa*, S.
- { *Sphaeronema macrosporum*, B. & C.
  - { *Cornularia macrospora*, Sacc.
- Robinia*, sp. indet.**

#### MISCELLANEA.

- { *Cryptosporium Pseudacaciae*, S.
  - { *Coniosporium Pseudacaciae*, Sacc.
- Cytospora orthospora*, B. & C.
- Cytospora Robiniae*, S.
- Fusarium lateritium*, Nees.
- Fusarium scolecoides*, Sacc. & Ell.
- Gloeosporium Leguminis*, Cke. & Hark.
- { *Leotia acicularis*, P.
  - { *Helotium aciculare*, P.
  - { *Peziza acicularis*, Fr.
  - { *Sarea acicularis*, S.
- Peziza clavata*, P.
- { *Cytospora abnormis*, B. & C.
  - { *Phoma abnormis*, Sacc.
- Phoma capsularum*, Cke. & Hark.
- { *Spumaria licheniformis*, S.
  - { *Physarum lividum*, Rostf.
- Polyporus hirsutus*, Fr.
- Polyporus rimosus*, B.
- Polyporus versicolor*, (L.) Fr.
- Schizoxylon tuberculatum*, S.
- { *Septoria breviuscula*, B. & C.
  - { *Rhabdospora breviuscula*, Sacc.
- Sphaeronema Robiniae*, B. & C.
- { *Periconia Robiniae*, S.
  - { *Sporocybe Robiniae*, Fr.

- Trichothecium roseum*, (P.) Lk.
- { *Myxormia convexula*, C. & E.
  - { *Trullula convexula*, Sacc.
- Tubercularia granulata*, P.
- Tubercularia vulgaris*, Tode.
- Volutella comata*, Ell.

#### PYRENOMYCETES.

- { *Sphaeria applanata*, Fr.
  - { *Amphisphaeria applanata*, Ces. & DeNot.
- { *Sphaeria lanuginosa*, B. & C.
  - { *Melanopsamma lanuginosa*, Sacc.
  - { *Byssosphaeria lanuginosa*, Cke.
- { *Sphaeria stricta*, P.
  - { *Ceratostomella stricta*, Sacc.
- { *Sphaeria parasitans*, S.
  - { *Cucurbitaria parasitans*, Cke.
- { *Valsa enteroleuca*, Fr.
  - { *Diaporthe enteroleuca*, Sacc.
- Dothidea Robiniae*, S.
- { *Sphaeria allostoma*, S.
  - { *Valsa allostoma*, Cke.
  - { *Eutypa allostoma*, Cke.
- { *Hysterium fibrisedum*, Gerard.
  - { *Gloniopsis fibriseda*, Sacc.
- Massaria vomitoria*, B. & C.
- { *Sphaeria anisometra*, Cke. & Hark.
  - { *Metasphaeria anisometra*, Sacc.
- { *Sphaeria convergens*, Tode.
  - { *Pseudovalsa convergens*, Sacc.
- Sphaerella petiolicola*, (Desm.) Awd.
- Sphaeria nigrobrunnea*, S.
- Sphaeria prorumpens*, Fr.
- { *Sphaeria anomia*, S., nec. Fr. ?
  - { *Valsa anomia*, Cke.
- Valsa ceratophora*, Tul.
- Valsa subscripta*, (Fr.) Cke.
- { *Sphaeria Notarisii*, Mont.
  - { *Valsa Notarisii*, Mont.
  - { *Valsaria Notarisii*, Sacc.
- Sesbania vesicaria*, Elliott.**
- Gloeosporium Glottidii*, Ell. & Martin.
- Macrosporium Floridanum*, Cke.
- Phoma clitoricarpa*, (Cke.) Sacc.
- Phoma Leguminum*, Westd.
- Sesbania*, sp. indet.**
- Erysiphe Montagnei*, Lev.
- Sophora sericea*, Nutt.**
- Uromyces hyalinus*, Pk.
- Uromyces Sophorae*, Pk.
- Stylosanthes elatior*, Swartz.**
- Cladosporium stenosporum*, B. & C.
- Cercospora Stylosanthis*, Ell. & Ev.
- { *Sphaeria Gramma*, S.
  - { *Dothidea Gramma*, Fr.
- Tephrosia hispidula*, P.**
- Tephrosia spicata*, Torr. & Gr.**
- Ravenelia glandulaeformis*, B. & C.

*Tephrosia Virginiana*, P.

- Hendersonia anomala, C. & E.
- { Sphaeria Tephrosiae, C. & E.
- { Leptosphaeria Tephrosiae, Sacc.
- { Sphaeria epiphylla, S.
- | Ravenelia glandulosa, B.
- | Ravenelia glandulaeformis, B. & C.
- | Ravenelia sessilis, B.

*Thermopsis Californica*, Watson.

- Stigmina Thermopsisidis, Hark.

*Trifolium agrarium*, L.

- Cercospora zebrina, Pass.

*Trifolium Carolinianum*, Michx.

- { Aecidium elegans, B. & C.
- { Aecidium Orobi, P., var. elegans, B.
- { Uromyces striatus, Schrt.
- { Uromyces Medicaginis-falcatae, (DC.) Wint.

*Trifolium incarnatum*, L.

- Uromyces Trifolii, (Hedw. f.) Lev.

*Trifolium pratense*, L.

- Gloeosporium Trifolii, Pk.
- { Sphaeria bucera, C. & E.
- { Metasphaeria bucera, Sacc.
- { Ophiobolus collapsus, Ell. & Sacc.
- { Sphaeria collapsa, Ell.

- Peziza Sphaerella, Pk. & Clinton.

- Phacidium Trifolii, (Bernh.) Boud.

- Phyllachora Trifolii, (P.) Fckl.

- { Sphaeria denotata, C. & E.
- { Pleospora denotata, Sacc.

- Polythrincium Trifolii, Kze.

- { Septoria Trifolii, Ell.
- { Rhabdospora Trifolii, Sacc.

- Stictis pustulata, Ell.

*Trifolium repens*, L.

- Aecidium Trifolii-repentis, Cast.

- Cercospora helvola, Sacc.

- { Dothidea Trifolii, (P.) Fr.
- { Phyllachora Trifolii, Fckl.

- Polythrincium Trifolii, Kze.

- { Uromyces apiculatus, (Str.) Lev.
- { Uromyces Medicaginis-falcatae, (DC.) Wint.

- Uromyces Trifolii, (A. & S.) Wint.

*Trifolium*, sp. indet.

- Actinothyrium Graminis, Kze.

- Darluca Filum, Cast.

- Erysiphe Martii, Lev.

+ *Peronospora Trifoliorum*, DBy.

- Vicia Americana*, Muhl.

- Microsphaera Ravenelii, B.

+ *Peronospora Viciae*, (B.) DBy.

- { Synchytrium Jonesii, Pk.
- { Tuberculina Jonesii, Sacc.

*Vicia Americana*, Muhl., var. *linearis*, Wat-  
son.

- Aecidium porosum, Pk.

*Vicia Faba*, L.

- Caeoma (Uredo) Leguminosarum, Lk.

+ *Peronospora Viciae*, (B.) DBy.

- { Puccinia Fabae, Lk.
- { Uromyces Fabae, (P.) DBy.
- { Uromyces Viciae-Fabae, (P.) Schrt.
- { Uromyces Orobi, Fckl.

*Vicia sativa*, L.

- Cercospora Viciae, Ell. & Holw.

*Vicia*, sp. indet.

- Aecidium album, Clinton,

+ *Peronospora Trifoliorum*, DBy.

- Septoria Astragali, Rob.

- Uromyces appendiculatus, (P.) Lev.

*Vigna luteola*, Benth.

- Cercospora canescens, Ell. & Martin.

- Cercospora Vignae, Ell. & Ev.

- Coscinaria Langloisii, Ell. & Ey.

*Wistaria Sinensis*, DC.

- Hendersonia Wistariae, Cke.

- { Thuemenia Wistariae, Rehm.

- { Melogramma Wistariae, Cke.

- { Botryosphaeria Wistariae, Sacc.

- Sphaerella Wistariae, Cke.

*Wistaria*, Sp. indet.

- { Sphaeropsis fusiger, B. & C.

- { Phoma fusigera, Sacc.

- { Macrophoma fusigera, Berl. & Vogl.

*Caesalpinieae.**Cassia Chamaecrista*, L.

- Aecidium Cassiae, Ell. & Kell.

- Cercospora Chamaecrista, Ell. & Kell.

*Cassia Marylandica*, L.

- Cercospora simulata, Ell. & Ev.

- Helminthosporium Cassiae, Gerard.

*Cassia occidentalis*, L.

- { Cladosporium personatum, B. & C., var.

- Cercospora occidentalis, Cke.

- { Cladosporium personatum, B. & C., var.

- Cassiae, Thm.

- { Cercospora personata, Sacc., var. Cassiae-

- { occidentalis, Sacc.

- Macrosporium cassiaeolum, Thm.

- Macrosporium commune, Rabh.

- Macrosporium Leguminum, Cke.

- Macrosporium Ravenelii, Thm.

- Phoma Cassiae, Sacc.

*Cassia Tora*, L.

- Cercospora atromaculans, Ell. & Ev.

- Cercospora nigricans, Cke.

*Cassia*, sp. indet.

- Hypoderma commune, Duby.

- Leptosphaeria cassiaeola, Ell. & Ev.

- Pleospora Cassiae, Ell. & Ev.

*Cercis Canadensis*, L.

- Acrospermum Ravenelii, B. & C.

- Cercospora cercidicola, Ell.

- { Cercospora chionea, Ell. & Kell.

- { Cercosporella chionea, Sacc.

*Discosia atrocreas*, (Tode) Fr.  
 { *Dothidea Cercidis*, Cke.  
 { *Bagnisiella Cercidis*, Berl. & Vogl.  
 { *Sphaeria durissima*, S.  
 { *Hypoxylon durissimum*, B.  
 { *Corticium Leveillianum*, B. & C.  
 { *Stereum Leveillianum*, B. & C.  
*Sphaerella cercidicola*, Ell. & Kell.  
*Cercis*, sp. indet.  
 { *Nummularia discreta*, (S.) Tul.  
 { *Hypoxylon discretum*, B. & C.  
 { *Peziza Lecideola*, Fr.  
 { *Patellaria Lecideola*, Fr.  
*Peziza cinereofusca*, S.  
*Gleditschia triacanthos*, L.  
 { *Sphaeria rhizogena*, B.  
 { *Melogramma rhizogenum*, B.  
 { *Botryosphaeria rhizogena*, Sacc.  
*Calloria rubrococcinea*, Rehm & Wint.  
*Cercospora condensata*, Ell. & Kell.  
 { *Helminthosporium olivaceum*, B. & Rav.  
*Cercospora Berkeleyi*, Cke.  
*Cercospora Seymouriana*, Wint.  
*Cercospora olivacea*, Wint.  
*Didymium rugulosum*, B.  
 { *Hysterium flexuosum*, S.  
 { *Hysterographium flexuosum*, Sacc.  
 { *Hysterium Lesquereuxii*, Duby.  
 { *Hysterographium Lesquereuxii*, Sacc.  
*Libertella Gleditschiae*, Wint.  
 { *Calocladia Ravenelii*, B.  
 { *Microsphaera Ravenelii*, B.  
*Nummularia discreta*, (S.) Tul.  
*Pleonectria denigrata*, Wint.  
*Polyporus albus*, (Huds.) Fr.  
*Polyporus versicolor*, (L.) Fr.  
*Schizophyllum commune*, Fr.  
*Xylaria polymorpha*, (P.) Grev.  
*Gleditschia*, sp. indet.  
*Cladosporium Gleditschiae*, Cke.  
*Cucurbitaria elongata*, (Fr.) Grev.  
 { *Sphaeria Gleditschiae*, S.  
 { *Melogramma Gleditschiae*, M. A. Curtis.  
 { ? *Cucurbitaria Gleditschiae*, B. & C.  
 { *Botryosphaeria Gleditschiae*, Sacc.  
*Dothidea Encoelium*, S.  
*Fusarium anomalam*, B. & C.  
 { *Hysterium lineare*, B., nec Fr.  
 { *Hysterium lineariforme*, Sacc.  
*Leptostroma hypophyllum*, B. & Rav.  
*Nectria nigrescens*, Cke.  
*Peziza cinereofusca*, S.  
 { *Sphaeropsis Gleditschiae*, Cke.  
 { *Phoma Triacanthi*, Sacc.  
 { *Macrophoma Triacanthi*, Berl. & Vogl.  
*Sacidium Gleditschiae*, Lev.  
*Sphaeropsis gleditschiaecola*, Cke.  
 { *Sphaeropsis mamillaris*, B. & C.  
 { *Phoma mamillaris*, Sacc.

{ *Sphaeria amorphostoma*, S.  
 { *Valsa amorphostoma*, Cke.  
 { *Sphaeria conseptata*, S.  
 { *Valsa conseptata*, Cke.  
 { *Sphaeria Notarisii*, Mont.  
 { *Valsa Notarisii*, Mont.  
 { *Valsaria Notarisii*, Sacc.  
*Gymnocladus Canadensis*, Lam.  
*Cercospora Gymnocladi*, Ell. & Kell.  
*Vermicularia albomaculata*, S. ?  
*Mimoseae.*  
*Acacia anisophylla*, Watson.  
*Ravenelia Indica*, B.  
*Acacia crassifolia*, Gray.  
*Ravenelia Indica*, B.  
*Acacia Greggii*, Gray.  
*Uromyces versatilis*, Peck.  
*Acacia Julibrissin*, Willd.  
*Pachnocybe subulata*, (Nees) B.  
*Fusarium aurantiacum*, Cda.  
 { *Verticillium pulvinatum*, B. & C.  
 { *Verticicladium pulvinatum*, Sacc.  
*Acacia*, sp. indet.  
*Coniothyrium decipiens*, Cke. & Hark.  
*Diaporthe gorgonoidea*, Cke. & Hark.  
*Diplodia decorticata*, C. & E.  
*Diplodia lata*, Cke. & Hark.  
 { *Diplodia millegrana*, Cke. & Hark.  
 { *Diplodiella millegrana*, Sacc.  
*Diplodia mutila*, (Fr.) Mont.  
*Diplodia phyllodiae*, Cke. & Hark.  
*Diplodia vulgaris*, Lev.  
*Fusarium cataleptum*, Cke. & Hark.  
*Fusarium Acaciae*, Cke. & Hark.  
*Fusarium obtusisporum*, Cke. & Hark.  
 { *Fusisporium Leguminum*, Cke.  
 { *Fusarium Leguminum*, Sacc.  
*Helminthosporium atroolivaceum*, Cke. & Hark.  
*Hysterographium (Gloniopsis) insigne*, Cke. & Hark.  
*Nectria ditissima*, Tul.  
*Nectria infusaria*, Cke. & Hark.  
*Pachnocybe subulata*, (Nees) B.  
 { *Phoma librincola*, Cke. & Hark.  
 { *Aposphaeria librincola*, Sacc.  
*Phoma lignicola*, Rabh.  
*Physarum nodulosum*, Cke. & Balf.  
*Rhabdospora decorticata*, Cke. & Hark.  
*Septosporium praelongum*, Sacc.  
 { *Sphaeria (Wallrothiella) eunotiaepora*, Cke. & Hark.  
 { *Psilosphaeria eunotiaepora*, Cke.  
*Sphaerella Acaciae*, Cke. & Hark.  
*Sphaeria (Thyridium) personata*, Cke. & Hark.

*Strumella* *Acaciae*, Cke. & Hark.  
*Volutella* *ciliata*, (A. & S.) Fr.

*Prosopis*, sp. indet.

{ *Discella Leguminum*, Cke.  
{ *Discula Leguminum*, Sacc.  
{ *Gloeosporium Leguminum*, Sacc.

*Leguminosae*, sp. indet.

*Phoma punctulata*, Cke.  
*Triphragmium deglubens*, B. & C.  
*Xylaria tentaculata*, B. & Br.

### ROSACEAE.

#### *Amygdaleae.*

*Prunus Americana*, Marshall.

*Capnodium pelliculosum*, B. & Rav.  
*Cenangium prunastri*, (P.) Fr.  
*Cercospora prunicola*, Ell. & Ev.  
*Dematium fimbriatum*, S.  
{ *Sphaeria intermedia*, S.  
{ *Enslinia Schweinitzii*, Cke.  
{ *Hysterium stictoideum*, C. & E.  
{ *Gloniopsis stictoidea*, Sacc.  
*Melanconium effusum*, Lk.  
{ *Sphaeria morbosa*, S.  
*Cucurbitaria morbosa*, Ell.  
{ *Gibbera morbosa*, Cke.  
*Plowrightia morbosa*, Sacc.  
*Otthia morbosa*, Cke.

— *Podosphaera Oxyacanthalae*, (DC.) DBy.

*Polyporus igniarius*, (L.) Fr.  
*Propolis versicolor*, Fr.  
{ *Puccinia Pruni-spinosae*, P.  
{ *Puccinia Pruni*, DC.  
{ *Puccinia Prunorum*, Lk.  
{ *Uromyces Prunorum*, Fckl.  
{ *Septoria cerasina*, Pk.  
{ *Septoria Pruni*, Ell.  
*Sphaeria rhytostoma*, Fr.  
{ *Sphaeronema Persicae*, (S.) Ell.  
{ *Cornicularia Persicae*, Sacc.  
{ *Exoascus Pruni*, Fckl.  
{ *Taphrina Pruni*, Tul.

*Prunus Amygdalus*, Baill.

*Diplodia Pruni*, Fckl.  
*Phoma ramealis*, Desm.

*Prunus Armeniaca*, L.

*Diplodia Amygdali*, Cke. & Hark.  
*Puccinia Pruni-spinosae*, P.

*Prunus avium*, L.

*Micropera Drupacearum*, Lev.

*Prunus Caroliniana*, Ait.

{ *Asteroma Cerasi*, Cke.  
{ *Asteroma cerasicolum*, Sacc.  
*Ceuthospora Cookei*, Thm.  
{ *Cytospora leucophthalma*, B. & C.  
{ *Cytospora nivosa*, B. & C.

*Discosia artocreas*, (Tode) Fr.

*Septoria Ravenelii*, Thm.

*Sphaerella lenticula*, Cke.

*Prunus Cerasus*, L.

*Micropera Drupacearum*, Lev.

*Nectria coccinea*, (P.) Fr.

*Phlebia radiata*, Fr.

{ *Sphaeria morbosa*, S.  
{ *Plowrightia morbosa*, Sacc.

— *Podosphaera Cerasi*, Lev.

{ *Podosphaera Kunzei*, Lev.

— { *Podosphaera Oxyacanthalae*, (DC.) DBy.  
{ *Podosphaera tridactyla*, (Wallr.) DBy.

*Polyporus cinnabarinus*, (Jacq.) Fr.

*Polyporus sulfureus*, (Bull.) Fr.

*Sphaerella cinerascens*, Fckl.

*Sphaeria varia*, P.

{ *Sporocybe Persicae*, (S.) Fr.  
{ *Sphaeronema Persicae*, Ell.

*Prunus Chicasa*, Michx.

*Capnodium pelliculosum*, B. & Rav.

{ *Sphaeria morbosa*, S.  
{ *Cucurbitaria morbosa*, Ell.

{ *Puccinia Pruni-spinosae*, P.  
{ *Uromyces Prunorum*, Fckl.

*Prunus demissa*, Walp.

*Lophiostoma acervatum*, Karst.

*Plowrightia morbosa*, (S.) Sacc.

{ *Podosphaera Kunzei*, Lev.

— { *Podosphaera Oxyacanthalae*, (DC.) DBy.  
{ *Podosphaera tridactyla*, (Wallr.) DBy.

*Corticium evolvens*, Fr.

*Prunus domestica*, L.

*Aspergillus ovalispermus*, Lk.

*Phyllosticta pirina*, Sacc.

{ *Sphaeria morbosa*, S.  
{ *Plowrightia morbosa*, Sacc.

{ *Puccinia Pruni-spinosae*, P.  
{ *Puccinia Prunorum*, Lk.

*Septoria cerasina*, Pk.

*Taphrina Pruni*, (Fckl.) Tul.

*Prunus Lauro-Cerasus*, L.

{ *Phoma cerasina*, Cke.

{ *Macrophoma cerasina*, Berl. & Vogl.

*Sphaerella cerasina*, Cke.

*Prunus Mahaleb*, L.

{ *Dothidea Cerasi*, C. & E.

{ *Melogramma fuliginosum*, Ell. p. p.

{ *Botryosphaeria Cerasi*, Sacc.

*Diatrype Stigma*, (Hoffm.) Fr.

{ *Valsa stellulata*, Fr.

{ *Valsa tetraploa*, B. & C.

{ *Eutypella tetraploa*, Sacc.

*Valsa Mahaleb*, C. & E.

*Prunus maritima*, Wang.

{ *Sphaeria morbosa*, S.

{ *Plowrightia morbosa*, Sacc.

*Taphrina Pruni*, (Fckl.) Tul.

*Prunus Pennsylvanica*, L. f.

{ Cenangium Cerasi, (P.) Fr.  
 { Dermatea Cerasi, Fr.

Diaporthe cylindrospora, Pk.

Phlebia radiata, Fr.

{ Sphaeria morbosa, S.  
 { Plowrightia morbosa, Sacc.

Tympansis conspersa, Fr.

{ Valsa Pennsylvanica, B. & C.  
 { Calospora Pennsylvanica, Sacc.

Valsa prunicola, Pk.

*Prunus Persica*, Jess.

{ Sphaeria pulchella, P.  
 { Valsa pulchella, Fr.

{ Calosphaeria princeps, Tul.

Capnodium elongatum, B. & Desm.

{ Sphaeria Putaminum, S.

{ Caryospora Putaminum, DeNot.

{ Amphisphaeria Putaminum, Cke.

{ Cercospora consobrina, Ell. & Ev.

{ Cercospora rubrotincta, Ell. & Ev.

Cercospora persica, Sacc.

Ciboria fructicola, Wint.

Cytospora Persicae, S.

Fusarium sticticum, B. & C.

Helminthosporium rhabdiferum, B.

{ Hysterium Gerardi, C. & P.

{ Hysterographium Gerardi, Sacc.

{ Hysterium Putaminum, Cke.

{ Hysterographium Putaminum, Sacc.

Lichenopsis sphaeroboloidea, S.

{ Sphaeropsis persicina, B. & C.

{ Phoma persicina, Sacc.

{ Macrophoma persicina, Berl. & Vogl.

{ Monilia fructigena, P.

{ Oidium fructigenum, Kze. & Schm.

Pestalozzia Guepini, Desm.

{ Boletus cervinus, S.

{ Polyporus cervinus, Fr.

{ Boletus conchatus, P.

{ Polyporus conchatus, Fr.

{ Boletus marginatus, P.

{ Polyporus marginatus, Fr.

Polyporus supinus, Swartz.

{ Massaria Seiridia, B. & C.

{ Pseudovalsa profusa, (Fr.) Cke.

{ Puccinia Pruni-spinosae, P.

{ Uredo prunastri, DC.

{ Uromyces Prunorum, Fckl.

{ Uromyces Prunorum, Fckl., var. Amygdali,

Vize.

{ Periconia Persicae, L.

{ Sporocybe Persicae, Fr.

{ Sphaerонema Persicae, Ell.

{ Cornularia Persicae, Sacc.

{ Sphinctrina Cerasi, B. & C.

{ Sphinctrina gummae, B. & Mont.

{ Ascomyces deformans, B.

{ Taphrina deformans, Tul.

{ Exoascus deformans, Fckl.

{ Tremella ustulata, Bull.

{ Sclerotium pirinum, Fr.

{ Sphaeria leucostoma, P.

{ Valsa leucostoma, Fr.

{ Sphaeria microstoma, P.

{ Valsa microstoma, Fr.

{ Sphaeria persicaria, S.

{ Xylaria persicaria, M. A. Curtis.

*Prunus pumila*, L.

{ Exoascus Pruni, Fckl.

{ Taphrina Pruni, Tul.

*Prunus serotina*, Ehrh.

{ Dothidea geographica, (DC.) Fr.

{ Asteroma geographica, Desm.

{ Peziza Cerasorum, S.

{ Cenangium clavatum, Fr.

{ Cercospora circumscissa, Sacc.

{ Cercospora graphioides, Ell.

{ Sphaeria exilis, A. & S.

{ Coelosphaeria exilis, Sacc.

{ Lasiosphaeria exilis, Cke.

{ Sphaeria Prunastri, P.

{ Valsa Prunastri, Fr.

{ Eutypella Prunastri, Sacc.

Helminthosporium Pruni, B. & C.

Irpex lacteus, Fr.

Leptothyrium cinctum, Cke.

Oidium destruens, Pk.

Phoma prunicola, S.

Phyllosticta serotina, Cke.

Phyllosticta Treleasei, Berl. & Vogl.

? Physalospora pustulata, Sacc.

{ Sphaeria morbosa, S.

{ Plowrightia morbosa, Sacc.

Polyporus pargamenus, Fr.

{ Puccinia Pruni-spinosae, P.

{ Puccinia Prunorum, Lk.

Sclerotium Prunorum, S.

Septoria cerasina, Pk.

Septoria Ravenelii, Thm.

Sphaeronema minutissimum, Pk.

{ Sphinctrina Cerasi, B. & C.

{ Sphinctrina gummae, B. & Mont.

Stereum purpureum, P.

{ Exoascus Pruni, Fckl.

{ Taphrina Pruni, Tul.

Tubercularia granulata, P.

Valsa leucostoma, (P.) Fr.

{ Sphaeria microstoma, P.

{ Valsa microstoma, Fr.

*Prunus subcordata*, Benth.

{ Ascomyces Pruni, (Fckl.) B. & Br.

{ Taphrina Pruni, Tul.

*Prunus Virginiana*, L.

Cercospora circumscissa, Sacc.

Cytospora leucosperma, (P.) Fr.

Gloeosporium prunicolum, Ell. & Ev.

Helminthosporium Pruni, B. & C.

Melanconium cerasinum, Pk.  
 Monilia Peckiana, Sacc. & Vogl.,  
 var. angustior, Sacc.  
 Phoma Pruni, Pk.  
 Phoma prunicola, S.  
 Phoma Virginiana, Ell. & Halsted.  
 { Sphaeria morbosa, S.  
 { Plowrightia morbosa, Sacc.  
 { Podosphaera Kunzei, Lev.  
 { Podosphaera Oxyacanthae, (DC.) DBy.  
 { Podosphaera tridactyla, (Wallr.) DBy.  
 Puccinia Pruni-spinosae, P.  
 Sclerotium Prunorum, S.  
 Sphaeria ocellata, Fr.  
 Sphaeria vibratilis, Fr.  
 Sphaeropsis cerasina, Pk.  
 Taphrina Pruni, (Fckl.) Tul.  
 Thelephora lilacina, P.  
**Prunus** (Plum).

Cytospora carphosperma, Fr.  
 Micropora Drupacearum, Lev.  
 Monilia cinerea, Bon.  
 { Polystigma rubrum, (P.) DC.  
 { Dothidea rubra, Fr.  
 Valsa Prunastri, (P.) Fr.  
 { Diatrype quadrata, (S.) B.  
 { Valsaria quadrata, Sacc.

**Prunus** (Cherry).

Badhamia hyalina, (P.) B.  
 { Valsa pulchella, (P.) Fr.  
 { Calosphaeria princeps, Tul.  
 Coniosporium atrum, S.  
 Hendersonula morbosa, Sacc.  
 Hydnnum amplissimum, B. & C.  
 Micropora rubida, B. & C.  
 Phyllachora Beaumontii, Cke.  
 Sphaeria epidermidis, Fr., var. microscopica,  
 Desm.  
 { Taphrina deformans, (B.) Tul.  
 { Exoascus Wiesneri, Rathay.  
 { Sphaeria interstitialis, C. & P.  
 { Teichospora interstitialis, Sacc.

**Prunus**, sp. indet.

? Amaurochaete minor, Sacc. & Ell.  
 Auricularia sambucina, Mart.  
 Cytospora ocellata, Fckl.  
 Exidia glandulosa, (Bull.) Fr.  
 { Sistotrema Cerasi, P.  
 { Irpex paradoxus, (Schrad.) Fr.  
 Irpex sinuosus, Fr.  
 { Peziza plicatocrenata, S.  
 { Tympanis plicatocrenata, Fr.  
 { Phacidium plicatum, Fr.  
 Podosporium rigidum, S.  
 Radulum obiculare, Fr.  
 Schizophyllum commune, Fr.

{ Sphaeropsis anomala, Pk.  
 { Sphaeropsis Peckii, Sacc.

## PYRENOMYCETES.

{ Nectria Cucurbitula, (Tode) Fr.  
 { Chilonectria Cucurbitula, Sacc.  
 { Sphaeria versatilis, Fr.  
 { Cryptospora corylina, (Tul.) Fckl.  
 { Sphaeria conjuncta, S. Am. Bor.  
 { Valsa hormospora, Herb. Berk.  
 { Fenestella hormospora, Cke.  
 Hypocrea contorta, (S.) B. & C.  
 Hypoxylon fuscum, (P.) Fr.  
 { Hysterium flexuosum, S.  
 { Hysterographium flexuosum, Rehm.  
 Sphaeria excavata, S.  
 Valsa ambiens, (P.) Fr.  
 { Sphaeria ciliata, P.  
 { Valsa ciliata, Fr.  
 { Sphaeria monadelpha, Fr.  
 { Valsa monadelpha, Fr.  
 { Sphaeria scutellata, P.  
 { Valsa scutellata, Cke.  
 { Sphaeria vasculosa, Fr.  
 { Valsa vasculosa, Fr.

## Rosaceae propriae.

**Adenostoma**, sp. indet.  
 Corticium scutellare, B. & C.  
**Agrimonia Eupatoria**, L.

{ Uredo Rosae, S. Syn. Car.  
 { Caeoma (Uredo) Agrimoniae, S.  
 { Coleosporium ochraceum, Bon.  
 { Uredo Agrimoniae-Eupatoriae, (DC.) Wint.  
 — Sphaerotheca Humuli, (DC.) Burrill.  
**Agrimonia parviflora**, Ait.  
 { Caeoma (Uredo) Agrimoniae, S.  
 { Coleosporium ochraceum, Bon.  
**Alchemilla vulgaris**, L.  
 Uromyces intrusa, Lev.  
**Dryas octopetala**, L.  
 Pleospora Dryadis, Fckl.  
**Fragaria Chilensis**, Ehrh.  
 Ramularia Tulasnei, Sacc.  
**Fragaria vesca**, L.  
 Ramularia Tulasnei, Sacc.  
 Sphaerella Earliana, Wint.  
**Fragaria Virginiana**, Ehrh.  
 Ascochyta colorata, Pk.  
 { Ramularia Tulasnei, Sacc.  
 { Ramularia Fragariae, Pk.  
**Fragaria**, sp. indet.  
 { Diachea elegans, Fr.  
 { Diachea leucopoda, (Bull.) Rostf.  
 { Physarum cinereum, (Batsch) P.  
 { Didymium cinereum, Fr., var.

{ *Leptothyrium Fragariae*, Lib.  
 { *Gloeosporium Fragariae*, Mont.  
*Gloeosporium Potentillae*, (Desm.) Oud.  
 { *Coremium fragariastrum*, S.  
 { *Graphiothecium Fragariastrum*, Sacc.  
*Peziza Earliana*, Ell. & Ev.  
*Septoria aciculosa*, Ell. & Ev.  
*Sphaerella Earliana*, Wint.  
*Sphaerella Fragariae*, (Tul.) Sacc.  
*Sphaeria Fragariae*, S.  
 - *Sphaerotheca Castagnaei*, Lev.  
*Geum album*, Gmel.  
 + *Peronospora Potentillae*, DBy.  
 - *Sphaerotheca Castagnaei*, Lev.  
*Geum macrophyllum*, Willd.  
 + *Peronospora Potentillae*, DBy.  
*Geum radiatum*, Michx., var. *Peckii*, Gray.  
 Cylindrosporium Gei, Farl.  
*Geum rivale*, L.  
 + *Peronospora Potentillae*, DBy.  
*Geum Virginianum*, L.  
 Septoria Gei, Rob.  
*Geum*, sp. indet.  
 ? *Puccinia simplex*, Pk.  
*Gillenia stipulacea*, Nutt.  
 Roestelia lacerata, (Sow.) Fr.  
*Heteromeles arbutifolia*, Roemer.  
 Capnodium Heteromeles, Cke. & Hark.  
 Cercospora Heteromeles, Hk.  
 Ceuthospora brevispora, Cke. & Hark.  
 Hypoderma Heteromeles, Phil. & Hark.  
 { *Meliolopsis Heteromeles*, Cke. & Hark.  
 { *Meliola Heteromeles*, Berl. & Vogl.  
 Peziza Heteromeles, Phil. & Hark.  
 Phacidium Heteromeles, Phil. & Hark.  
 Phoma Heteromeles, Cke. & Hark.  
 Phyllosticta Heteromeles, Cke. & Hark.  
 Pleosporopsis Heteromeles, Cke. & Hark.  
 Septoria Photinia, B. & C.  
*Kerria Japonica*, DC.  
 { *Cesatia turbinata*, B. & C.  
 { *Trullula turbinata*, Sacc.  
 Diplodia Corechori, (Desm.) Kickx.  
 { *Sphaeria flavitecta*, B. & C.  
 { *Nectria auriger*, B. & Rav., var. *flavitecta*,  
     B. & C.  
 { *Calonectria flavitecta*, Sacc.  
 Stictis glaucoma, B. & C.  
 Valsa decorticans, Fr.  
*Neillia opulifolia*, Benth. & Hook.  
 { *Sphaeria Closterium*, B. & C.  
 { *Anthostomella Closterium*, Sacc.  
 Cytospora globifera, Fr.  
 { *Dermea Spiraeae*, S.  
 { *Cenangium Spiraeae*, B.  
 { *Dermatea Spiraeae*, Cke.  
 Diaporthe Neilliae, Pk.  
 Diaporthe spiculosa, (A. & S.) Nits.  
 Excipula epidermidis, S.  
 { *Marsonia Neilliae*, Hark.  
 { *Gloeosporium Neilliae*, Ell. & Ev.  
 { *Lophiostoma Spiraeae*, Pk.  
 { *Lophiotrema Spiraeae*, Sacc.  
 Pestalozzia monochaetoidea, Sacc. & Ell.  
 Peziza Opulifoliae, S.  
 Ramularia Spiraeae, Pk.  
 Sphaeria crenata, P., var. *Spiraeae*, S.  
 Sphaeria saepincola, Fr.  
 - *Sphaerotheca Castagnaei*, Lev.  
 { *Sporidesmium nitens*, S.  
 { *Clasterosporium nitens*, Sacc.  
 Valsa Opulifoliae, Pk.  
*Nuttallia cerasiformis*, Torr. & Gr.  
 { *Septogloewum Nuttallii*, Hark.  
 { *Gloeosporium Nuttallii*, Ell. & Ev.  
*Potentilla Anserina*, L.  
 { *Gloeosporium Potentillae*, (Desm.) Oud.  
 { *Marsonia Potentillae*, Fisch.  
*Potentilla argentea*, L.  
 Peziza Dehnii, Rabh.  
*Potentilla Canadensis*, L.  
 Darluca Filum, Cast.  
 { *Dothidea Potentillae*, Fr.  
 { *Stigmata Potentillae*, Fr.  
 Phragmidium obtusum, Wint.?  
 { *Uredo obtusa*, Strauss.  
 { *Uredo Potentillarum*, DC.  
 { *Aregma obtusatum*, Fr.  
 Phragmidium obtusum, Kze. & Schm.  
 { *Uredo Alchemillae*, S. Syn. Car.  
 Caeoma Potentillarum, Lk.  
 Phragmidium triarticulatum, (B. & C.)  
     Farl.  
 Phragmidium Potentillae, Wint.  
 { *Sphaeria Potentillae*, S.  
 { *Phyllachora Potentillae*, Pk.  
 Puccinia Potentillae, S.  
 Synchytrium Myosotidis, var. *Potentillae*,  
     Schrt.  
 { *Exoascus deformans*, var. *Potentillae*, Farl.  
 { *Taphrina Potentillae*, Johanson.  
*Potentilla fruticosa*, L.  
 Phragmidium bulbosum, (Strauss) Schl.  
*Potentilla glandulosa*, Lindl.  
 { *Dothidea Potentillae*, Fr.  
 { *Stigmata Potentillae*, Fr.  
*Potentilla gracilis*, Dougl.  
 { *Phragmidium Fragariae*, (DC.) Wint.  
 { *Phragmidium Fragariastrum*, (DC.) Schrt.  
*Potentilla Norvegica*, L.  
 + *Peronospora Potentillae*, DBy.  
 Peziza Dehnii, Rabh.  
 Ramularia arvensis, Sacc.  
 Septoria purpurascens, Ell. & Martin.

*Potentilla palustris*, Scop.  
Cercospora Comari, Pk.

*Potentilla Pennsylvanica*, L.  
 { Aregma triarticulatum, B. & C.  
 { Phragmidium triarticulatum, Farl.

*Poterium Canadense*, Benth. & Hook.  
 { Erysiphe fuliginea, Lk.  
 { Sphaerotheca Castagneti, Lev.

*Rosa acicularis*, Lindl.

*Rosa Arkansana*, Porter.  
 { Uredo miniata, P.  
 { Phragmidium subcorticium, (Schrank) Wint.

*Rosa blanda*, Ait.  
Phragmidium speciosum, Fr.  
 { Aregma mucronatum, Fr.  
 { Phragmidium mucronatum, Auct. Amer.  
 { Coleosporium miniatum, Bon.  
 { Phragmidium subcorticium, (Schrank.) Wint.

*Rosa Californica*, Cham. & Schl.  
Asteroma Rosae, Lib.  
Diaporthe Rosae, B. & C.

✗ *Peronospora sparsa*, B.

*Rosa Carolina*, L.  
Cenangium Rosae, S.  
Cercospora rosaecola, Pass.  
Cytospora Rosae, S. Am. Bor.  
Dacryomyces difformis, S.  
Phragmidium subcorticium, (Schrank) Wint.  
 { Sphaeria convergens, Tode.  
 { Valsa convergens, Fr.  
 { Pseudovalsa convergens, Sacc.

Sphaeria palliolata, S.  
 { Sphaeria expers, S.  
 { Valsa expers, Cke.

*Rosa cinnamomea*, L.  
Cercospora rosaecola, Pass.  
Diaporthe simulans, Sacc.

*Rosa humilis*, Marsh.  
 { Aregma speciosum, Fr.  
 { Phragmidium speciosum, Fr.  
 { Uredo miniata, P.  
 { Phragmidium subcorticium, (Schrank) Wint.

✗ Sphaerotheca pannosa, (Wallr.) Lev.

*Rosa laevigata*, Michx.  
 { Sphaeria inordinata, B. & C.  
 { Cryptosphaeria inordinata, Sacc.

*Rosa lucida*, Ehrh.  
Phragmidium speciosum, Fr.  
 { Coleosporium miniatum, Bon.  
 { Phragmidium subcorticium, (Schrank) Wint.

✗ Sphaerotheca pannosa, (Wallr.) Lev.

*Rosa nitida*, Willd.  
 { Aregma speciosum, Fr.  
 { Phragmidium speciosum, Fr.

*Rosa rubiginosa*, L.  
 { Asteroma Rosae, Lib.  
 { Dothidea Rosae, S.  
 { Actinonema Rosae, Fr.  
 { Phyllachora Rosae, Sacc.  
Stictis glaucoma, B. & C.

*Rosa Sayi*, S.  
Phragmidium subcorticium, (Schrank) Wint.

*Rosa*, sp. indet.  
Asteroma geographica, Desm.  
Asteroma punctiforme, B.  
Caeoma (Peridernium) germinale, S.  
Coniothyrium Rosarum, Cke. & Hark.  
Coryneum microstictum, B. & Br.  
 { Sphaeria fissicula, C. & E.  
 { Cryptosphaeria fissicola, Sacc.  
 { Sphaeria rostellata, Fr.  
 { Diaporthe rostellata, Nits.  
Diatrype incarcerata, B. & Br.  
Diplodia Rosae, B. & C.  
 { Diplodia rosaecarpa, Cke.  
 { Diplodia rhodocarpa, Sacc.  
 { Hendersonia Rosae, Fr.  
 { Hendersonia longipes, B. & C., forma Rosarum, Cke.  
 ? Heydenia Americana, Sacc. & Ell.  
Hypoxylon epirhodium, B. & Rav.  
Leptothyrium Rosarum, Cke.  
 { Sphaeria brachytheca, B. & C.  
 { Metasphaeria brachytheca, Sacc.  
 { Sphaeria leiostega, Ell.  
 { Metasphaeria leiostega, Sacc.  
 { Naemaspora erythraea, B. & C.  
 { Naemaspora erythrella, B. & C.  
Perisporium speireum, Fr.

✗ *Peronospora sparsa*, B.  
Pestalozzia Guepini, Desm.  
Pestalozzia suffocata, Ell. & Ev.  
 { Peziza umbilicata, B. & C.  
 { Peziza Curtisi, Cke.  
Peziza Rosae, P.  
Phragmidium mucronatum, var. Americanum, Pk.  
 { Sphaeria erratica, C. & E.  
 { Physalospora erratica, Sacc.

Polyactis vulgaris, Lk.  
Sphaerella rosigena, Ell. & Ev.  
Sphaeria clypeata, Nees.  
Sphaeria fissa, P.?  
Sphaeria (Didymella) Rauii, Ell. & Ev.  
Sphaeria Rosae, S.  
Sphaeria saepincola, Fr.  
Sphaeropsis Rosarum, C. & E.  
Valsa Rosarum, DeNot.

*Rubus Canadensis*, L.  
Ascochyta Rubi, Lasch.  
Caeoma (Uredo) luminatum, Lk.

*Hendersonia platypus*, Ell. & Ev.  
 { *Septoria Rubi*, Westd.  
 { *Septoria Rubi*, B. & C.  
*Septoria Rubi*, Westd., var. *alba*, Pk.  
 { *Sphaeria subclypeata*, B. & C.  
 { *Valsa subclypeata*, C. & P.

***Rubus Dalibarda*, L.**  
 { *Dothidea Dalibardae*, Pk.  
 { *Phyllachora Dalibardae*, Sacc.  
*Septoria Dalibardae*, Pk.

***Rubus deliosus*, James.**  
*Lecythea deliosia*, Pk.

***Rubus hispida*, L.**  
*Macrosporium Rubi*, Ell.  
*Rhytisma Blakei*, M. A. Curtis.  
*Septoria Rubi*, Westd., var. *pallida*, Ell. & Holw.

— *Sphaerotheca Castagnaei*, Lev.

***Rubus Nutkanus*, Mocino.**  
*Diaporthe rostellata*, (Fr.) Nits.  
*Peziza acutipila*, Karst.  
*Peziza bicolor*, Bull.  
*Peziza scabrovilosa*, Phil.  
*Phacidium Rubi*, Fr.  
*Phragmidium gracile*, Auct. Amer.  
*Septoria Rubi*, Westd.

***Rubus occidentalis*, L.**  
 { *Aecidium nitens*, S.  
 { *Caeoma (Uredo) luminatum*, Lk.  
 { *Sphaeria Hendersonia*, Ell.  
 { *Clypeosphaeria Hendersoniae*, Sacc.  
*Gloeosporium necator*, Ell. & Ev.  
*Macrosporium punctiforme*, B.  
 { *Phragmidium incrassatum*, Lk., var. *gracile*, Farl.  
 { *Phragmidium Rubi-Idaei*, (P.) Wint.  
 { *Sphaeria eriostega*, C. & E.  
 { *Physalospora eriostega*, Sacc., var. *glabratula*, Sacc.  
*Puccinia Peckiana*, Howe.  
*Septosporium praelongum*, Sacc.  
*Sphaeropsis rubicola*, C. & E.

***Rubus odoratus*, L.**  
 { *Sphaeria melanostyla*, DC.  
 { *Gnomonia melanostyla*, Fckl.  
*Lophiostoma bicuspidatum*, Cke.  
*Peziza lacerata*, C. & P.  
*Peziza subochracea*, C. & P.  
*Phragmidium gracile*, Auct. Amer.  
*Phyllosticta variabilis*, Pk.

***Rubus strigosus*, Michx.**  
 { *Aecidium nitens*, S.  
 { *Caeoma (Uredo) luminatum*, Lk.  
*Cytospora Rubi*, S.  
 { *Valsa obscura*, Pk.  
 { *Diaporthe obscura*, Sacc.  
*Gloeosporium necator*, Ell. & Ev.

*Graphium gracile*, Pk.  
 { *Stilbum pruiniosipes*, Pk.  
 { *Graphium pruiniosipes*, Sacc.  
 { *Hysterium Rubi*, P.  
 { *Hypoderma virgultorum*, DC.  
 { *Hysterium virgultorum*, Rob. & Desm.  
 { *Hypoderma Rubi*, DeNot.  
*Melanconium griseum*, S.  
*Peziza clandestina*, Bull.  
 { *Uredo gyroza*, Reb.  
 { *Phragmidium gracile*, Auct. Amer.  
 { *Phragmidium Rubi-Idaei*, (P.) Wint.  
*Puccinia Peckiana*, Howe.  
*Rhabdospora Rubi*, Ell.  
*Septoria Rubi*, Westd.  
 { *Sphaeria caespitulans*, S.  
 { *Coniochaeta caespitulans*, Cke.  
 { *Sphaeria fuscella*, B. & Br.  
 { *Leptosphaeria fuscella*, Ces. & DeNot.  
 { *Sphaeria Hendersonia*, Ell.  
 { *Sphaeria melantera*, Pk.  
 { *Clypeosphaeria Hendersoniae*, Sacc.  
*Sphaeria Ruborum*, S.  
*Sphaeropsis rubicola*, C. & E.  
 { *Sphaeria tumida*, S.  
 { *Sphaeria syngenesia*, Fr.  
 { *Valsa syngenesia*, Fr.  
*Vermicularia compacta*, C. & E.

***Rubus triflorus*, Richard.**  
*Caeoma (Uredo) luminatum*, Lk.

— *Sphaerotheca Castagnaei*, Lev.

— *Sphaerotheca pannosa*, (Wallr.) Lev.

***Rubus trivialis*, Michx.**  
*Cercospora Rubi*, Sacc.  
*Meliola sanguinea*, Ell. & Ev.  
*Tubercularia persicina*, Ditm.

***Rubus ursinus*, Cham. & Schl.**  
 { *Sphaeria rostellata*, Fr.  
 { *Diaporthe rostellata*, Nits.  
 { *Hendersonia sarmentorum*, Westd., var. *Rubi*, C. & E.  
 { *Hendersonia Rubi*, Sacc.  
*Libertia Rosae*, Desm.

***Rubus villosus*, Ait.**  
 { *Aecidium nitens*, S.  
 { *Caeoma (Uredo) luminatum*, Lk.  
*Cercospora rosaecola*, Pass.  
 { *Coleosporium Rubi*, Ell. & Holw.  
 { *Chrysomyxa albida*, Kühn.  
 { *Sphaeria rostellata*, Fr.  
 { *Diaporthe rostellata*, Nits.  
*Diplodia Rubi*, Fr.  
 { *Fusisporium ? Rubi*, Wint.  
 { *Fusarium ? Rubi*, Berl. & Vogl.  
*Hendersonia platypus*, Ell. & Ev.  
*Hypoderma Rubi*, (P.) DeNot.  
 { *Hysterium viticolum*, C. & P. p.p.  
 { *Hysterographium viticolum*, Rehm, var. *Ruborum*, Cke.

*Isariopsis* Grayiana, Ell.  
*Lecythea* tripustulata, Cke.  
*Patellaria* rhabarbarina, B.  
 { *Phragmidium* bulbosum, (Strauss) Schi.  
 { *Phragmidium* Rubi, (P.) Wint.  
 { *Puccinia* Peckiana, Howe.  
 { *Puccinia* tripustulata, Pk.  
*Septoria* Rubi, Westd.  
*Septoria* Rubi, Westd., var. *alba*, Pk.  
*Sphaeria* (Diaporthe) gallophila, Ell.  
*Sphaeria* obtusa, S.  
*Stictis* Rubi, S.  
 { *Valsa* Rubi, Fckl.  
 { *Valsa* Rubi, Pk.  
***Rubus***, sp. indet.  
*Asterina* Pearsoni, Ell. & Ev.  
*Capnodium* elongatum, B. & Desm.  
 { *Excipula* Rubi, Fr.  
 { *Cenangium* Rubi, Duby.  
 { ? *Corticium* Sambuci, P.  
 { *Corticium* rubicola, B. & C.  
 { *Corticium* Rubi, B. & C.  
*Cylindrosporium* Rubi, Ell. & Morgan.  
*Hymenella* nigra, Fr.  
*Hysterium* confluens, S.  
*Sphaeria* clypeata, Nees.  
 { *Sphaeria* Doliolum, P.  
 { *Leptosphaeria* Doliolum, DeNot.  
*Leptostroma* vulgare, Fr.  
 { *Lophiostoma* Jerdoni, B. & Br.  
 { *Lophiotrema* praemorsum, (Lasch) Sacc.  
 { *Sphaeria* anisometra, Cke. & Hark.  
 { *Metasphaeria* anisometra, Sacc.  
*Myxormia* atroviridis, B. & Br.  
*Peziza* compressa, P., var. *rubicola*, C. & E.  
*Peziza* rufo-olivacea, A. & S.  
*Peziza* vinosa, A. & S.  
*Sphaeria* saepincola, Fr.  
*Stigmata* Chaetomium, (Kunze) Fr.  
*Tympanis* conspersa, Fr.  
*Typhula* rubicola, B. & C.  
 { *Sphaeria* rubincola, S.  
 { *Valsa* rubincola, Cke.  
*Vermicularia* compacta, C. & E., var. *Ruborum*, C. & E.  
*Vermicularia* effusa, S.  
***Spiraea*** *Douglasii*, Hook., var. *dumosa*, Watson.  
 { *Podosphaera* Oxyacanthae, (DC.) DBY.  
 { *Microsphaera* fulvofulcra, Cke.  
***Spiraea*** *salicifolia*, L.  
 { *Sphaeria* Collinsii, S.  
 { *Dimerosporium* Collinsii, Thm.  
 { *Podosphaera* Kunzei, Lev.  
 { *Podosphaera* minor, Howe.  
 { *Microsphaera* fulvofulcra, Cke.  
 { *Ascochyta* Salicifoliae, Trelease.  
 { *Septoria* Salicifoliae, Ell. & Ev.

***Spiraea*** *tomentosa*, L.  
 { *Podosphaera* Kunzei, Lev.  
 { *Podosphaera* Oxyacanthae, (DC.) DBY.  
 { *Podosphaera* minor, Howe.  
 { *Microsphaera* fulvofulcra, Cke.  
***Spiraea***, sp. indet.  
*Cercospora* Rubigo, Cke. & Hark.  
*Leptostroma* Spiraeae, Fr.  
*Pestalozzia* monochaetoidea, Sacc. & Ell.  
*Peziza* Schumacheri, Fr.  
*Ramularia* Ulmariae, Cke.  
***Sphaerotheca*** *Castagnaei*, Lev.  
*Sporidesmium* spiraeicolum, Cke.  
***Waldsteinia*** *fragarioides*, Tratt.  
*Puccinia* Waldsteiniae, M. A. Curtis.  
*Septoria* Waldsteiniae, Pk. & Clinton.  
  
***Pomeae.***  
***Amelanchier*** *alnifolia*, Nutt.  
 { *Sphaeria* Collinsii, S.  
 { *Dimerosporium* Collinsii, Thm.  
 { *Plowrightia* phyllogona, Hark.  
*Roestelia* lacerata, (Sow.) Fr.  
***Amelanchier*** *Canadensis*, Torr. & Gr.  
 { *Diatrype* phaeosperma, Ell.  
 { *Anthostoma* phaeospermum, Sacc.  
 { *Fuckelia* phaeosperma, Cke.  
 { *Sphaeria* Collinsii, S.  
 { *Sphaeria* papilionacea, B. & C.  
 { *Sphaeria* Russellii, B. & C.  
 { *Dimerosporium* Collinsii, Thm.  
 { *Dothidea* Collinsii, Ell.  
 { *Lasiosphaeria* papilionacea, Sacc.  
 { *Lasiosphaeria* Russellii, Sacc.  
 { *Plowrightia* phyllogona, Hark.  
*Discella* Canadensis, Pk.  
 { *Sphaerella* Peckii, Speg.  
 { *Metasphaeria* Peckii, Sacc.  
*Morthiera* Mespili, (DC.) Fckl.  
***Podosphaera*** *Oxyacanthae*, (DC.) DBY.  
*Roestelia* aurantiaca, Pk.  
 { *Caeoma* (Roestelia) Botryapites, S.  
 { *Roestelia* Ellisii, Pk.  
 { *Roestelia* Botryapites, B.  
*Roestelia* cornuta, (Gmel.) Fr.  
*Roestelia* lacerata, (Sow.) Fr.  
 { *Roestelia* penicillata, Auct. Amer.  
 { *Roestelia* pirata, (S.) Thaxter.  
*Sphaerонema* pruinosum, Pk. *188*  
*Stysanus* Stemonitis, Cda.  
*Valsa* ceratophora, Tul.  
 { *Valsa* punctostoma, Ell.  
 { *Diaporthe* stictostoma, Sacc.  
 { *Valsa* stictostoma, Cke.  
 { *Valsa* tuberculosa, Ell.  
 { *Diaporthe* tuberculosa, Sacc.  
***Amelanchier***, sp. indet.  
*Asteroma* atramentarium, B. *1872*  
*Cenangium* Aucupariae, Fr.

{ *Lophiostoma pallidum*, Ell.  
 { *Lophiotrema pallidum*, Berl. & Vogl.  
***Crataegus coccinea*, L.**  
 { *Morthiera Thümenii*, Cke.  
 { *Entomosporium Thümenii*, Sacc.  
 { *Podosphaera Kunzei*, Lev.  
 { *Podosphaera Oxyacanthae*, (DC.) DBy.  
 { *Sporidesmium curvatum*, B. & C.  
 { *Hirudinaria macrospora*, Ces.  
 { *Clasterisporium curvatum*, Sacc.  
*Roestelia aurantiaca*, Pk.  
 { *Aecidium Crataegi*, var. *Oxyacanthae*, S.  
 { *Roestelia lacerata*, (Sow.) Fr.  
***Crataegus cordata*, Ait.**  
*Botryosphaeria melathroa*, B. & C. in Herb.  
 Berk.  
*Roestelia lacerata*, (Sow.) Fr.  
***Crataegus Crus-galli*, L.**  
*Crepidotus rufolateritius*, Bresadola.  
*Roestelia aurantiaca*, Pk.  
*Roestelia lacerata*, (Sow.) Fr.  
 { *Roestelia penicillata*, Auct. Amer.  
 { *Roestelia pirata*, (S.) Thaxter.  
***Crataegus flava*, Ait.**  
*Morthiera Thümenii*, Cke.  
*Entomosporium Thümenii*, Sacc.  
***Crataegus Oxyacantha*, L.**  
*Roestelia aurantiaca*, Pk.  
*Roestelia lacerata*, (Sow.) Fr.  
***Crataegus parvifolia*, Ait.**  
 { *Daedalea confragosa*, P.  
 { *Lenzites Crataegi*, Berk.  
*Macrosporium stilbosporoideum*, B. & C.  
***Crataegus subvillosa*, Schrader.**  
*Roestelia lacerata*, (Sow.) Fr.  
***Crataegus tomentosa*, L.**  
 { *Cheilaria Crataegi*, Cke.  
 { *Phyllosticta?* *Crataegi*, Sacc.  
*Diatrypella quercina*, (P.) Nits.  
*Phyllosticta rubra*, Pk.  
 { *Podosphaera Oxyacanthae*, (DC.) DBy.  
 { *Podosphaera tridactyla*, (Wallr.) DBy.  
*Roestelia lacerata*, (Sow.) Fr.  
***Crataegus tomentosa*, L., var. *punctata*, Gray.**  
*Roestelia aurantiaca*, Pk.  
***Crataegus tomentosa*, L., var. *pyrifolia*, Gray.**  
 { *Phyllactinia suffulta*, (Reb.) Sacc.  
***Crataegus*, sp. indet.**  
 { *Sphaeria Crataegi*, S.  
 { *Botryosphaeria Crataegi*, Sacc.  
*Cenangium Crataegi*, S.  
*Discosia artocreas*, (Tode) Fr.  
*Exosporium melampsoroides*, Sacc.  
*Patellaria nigrocinnabarina*, S.  
*Pestalozzia concentrica*, B. & Rav.  
 { *Sphaeropsis fusiger*, B. & C.  
 { *Phoma fusigera*, Sacc.  
 { *Macrophoma fusigera*, Berl. & Vogl.  
*Roestelia cornuta*, (Gmel.) Fr.  
*Roestelia hyalina*, Cke.  
*Sporidesmium Fumago*, Cke.  
*Tubercularia difformis*, S.  
*Valsa ceratophora*, Tul., var. *Crataegi*, C. & E.  
 { *Valsa tumidula*, C. & P.  
 { *Eutypella tumidula*, Sacc.  
***Cydonia vulgaris*, P.**  
*Entomosporium maculatum*, Lev.  
 { *Podosphaera Oxyacanthae*, (DC.) DBy.  
*Roestelia aurantiaca*, Pk.  
*Sphaeria Pomorum*, S.  
***Cydonia*, sp. indet.**  
 { *Dermea Cydoniae*, S.  
 { *Dermatea Cydoniae*, Cke.  
 { *Morthiera Mespili*, (DC.) Fckl., var. *Cydoniae*, C. & E.  
 { *Blastesis tridens*, Zabriskie.  
 { *Entomosporium maculatum*, Lev., var. *Cydoniae*, Sacc.  
 { *Erysiphe Syringae*, S. ?  
*Hendersonia Cydoniae*, C. & E.  
*Roestelia cancellata*, (Gmel.) Reb. ?  
*Sphaeropsis Cydoniae*, C. & E.  
*Tricothecium roseum*, (P.) Lk.  
***Pirus Americana*, DC.**  
*Atractium flammeum*, B. & Rav.  
*Cenangium Aucupariae*, Fr.  
*Cytospora rubescens*, Fr.  
*Dothiora pyrenophora*, B. an Fr. ?  
*Graphium Sorbi*, Pk.  
 { *Melogramma superficialis*, Pk. & Clinton.  
 { *Fenestella superficialis*, Sacc.  
 { *Sphaeria Semen*, C. & P.  
 { *Metasphearia Semen*, Sacc.  
*Phyllosticta Sorbi*, Westd.  
*Roestelia cornuta*, (Gmel.) Fr.  
*Sphaeronema pallidum*, Pk.  
 { *Valsa impulsa*, C. & P.  
 { *Diaporthe impulsa*, Sacc.  
*Valsa Sorbi*, Fr.  
***Pirus angustifolia*, Ait.**  
*Roestelia lacerata*, (Sow.) Fr.  
 { *Roestelia penicillata*, Auct. Amer.  
 { *Roestelia pirata*, (S.) Thaxter.  
***Pirus arbutifolia*, L.**  
*Asteroma atramentarium*, B.  
*Cercospora Piri*, Farl.  
*Phyllosticta Arbutifolia*, Ell. & Martin.  
*Roestelia transformans*, Ell.  
*Valsa excorians*, C. & E.  
 { *Valsa pulchella*, (P.) Fr.  
 { *Calosphaeria princeps*, Tul.

*Pirus communis*, L.

- Acrospermum viridulum, B. & C.
- Capnodium elongatum, B. & Desm.
- { Diatrype irregularis, C. & E.
- { Diatrypella irregularis, Sacc.
- Diplodia maura, C. & E.
- { Discella effusa, B. & C.
- { Discula effusa, Sacc.
- Epochnium monilioides, Lk.
- { Helminthosporium Pirorum, Lib.
- { Cladosporium dendriticum, Wallr.
- { Fusicladium dendriticum, Fckl.
- { Fusicladium pirinum, Fckl.
- Hendersonia Cydoniae, C. & E.
- { Dacryomyces destructor, B. & Rav.
- { Hypsilophora destructor, B.
- Macrosporium Pirorum, Cke.
- Marasmius pirinus, Ell.
- Massaria Piri, Otth.
- { Sphaeria pulvis-pyrius, P.
- { Melanomma pulvis-pyrius, Fckl.
- { Sphaeria subcutanea, C. & E.
- { Metaspheeria subcutanea, Sacc.
- { Conisphaeria subcutanea, Cke.
- { Morthiera Mespili, (DC.) Fckl.
- { Blastesis tridens, Zabriskie.
- Mucor amethysteus, Bon.
- Myxosporium microsporum, Cke. & Hark.
- Oidium fructigenum, (P.) Kze. & Schm.
- Phoma Radula, B. & Br.
- Phyllosticta pirina, Sacc.
- Phyllosticta Pirorum, Cke.
- Polyporus versicolor, (L.) Fr.
- { Aecidium cancellatum, Gmel.
- { Roestelia cancellata, Reb.
- Sphaerella sentina, (Fr.).
- Sphaeropsis Malorum, B.
- { Sporidesmium Fumago, Cke.
- { Sirodesmium Fumago, Sacc.

*Pirus coronaria*, L.

- Cenangium pirinum, S.
- Fusicladium dendriticum, (Wallr.) Fckl.
- { Aecidium piratum, S.
- { Caeoma (Roestelia) Cylindrites, var. Mali, S.
- { Roestelia penicillata, Auct. Amer.
- { Roestelia pirata, Thaxter.

*Pirus Malus*, L.

## PYRENOMYCETES.

- { Sphaeria bisphaerica, C. & E.
- { Amphisphaeria bisphaerica, Sacc.
- Capnodium Pomorum, B. & C.
- Dialonectria vulpina, Cke.
- { Sphaeria Murrayi, B. & C.
- { Diaporthe Murrayi, Sacc.
- Eutypa leioplaca, (Fr.) Cke.
- { Sphaeria contorta, S.
- { Hypocrea contorta, B. & C.

- Hypoxyton atramentosum, Fr.
- Lophiostoma scelestum, C. & E.
- Massaria Piri, Otth.
- { Sphaeria discincola, S. p.p.
- { Diatrype discincola, M. A. Curtis.
- { Anthostoma discincolum, Sacc.
- { Nummularia discincola, Cke.
- { Sphaeria discincola, S. p. p.
- { Sphaeria discreta, S.
- { Nummularia discreta, Tul.
- { Diatrype discreta, M. A. Curtis.
- { Hypoxylon discretum, B. & C.
- { Dothidea fructigena, S.
- { Phyllachora fructigena, Sacc.
- { Dothidea pomigena, S.
- { Asteroma pomigena, B.
- { Phyllachora pomigena, Sacc.
- { Sphaeria viscosa, C. & E.
- { Melogramma fuliginosum, Ell. p. p.
- { Physalospora viscosa, Sacc.
- { Podosphaera Kunzei, Lev.
- { Podosphaera tridactyla, (Wallr.) DBy.
- Sphaeria collapsa, S.
- Sphaeria excussa, S.
- Sphaeria pirina, Fr.
- Sphaeria pyramidalis, S.
- Sphaeria subbullans, S.
- Valsa ambiens, (P.) Fr.
- Valsa leucostoma, (P.) Fr.
- { Sphaeria melastoma, Fr.
- { Valsa melastoma, Fr.
- { Sphaeria nivea, Hoffm.
- { Valsa nivea, Fr.
- Valsa stellulata, Fr.

## Sphaeropsidae.

- Cytospora carphosperma, Fr.
- Diplodia maura, C. & E.,
- Diplodia Piri, Ell. & Martin.
- { Dothiora pyrenophora, B. an Fr.?
- { Diplodia pyrenophora, M. A. Curtis.
- { Discella effusa, B. & C.
- { Discula effusa, Sacc.
- Discosia maculaecola, Gerard.
- Hendersonia Cydoniae, C. & E.
- { Hendersonia prominula, B. & C.
- { Stagonospora prominula, Sacc.
- { Labrella Pomi, Mont. & Fr.
- { Microsticta Pomi, Desm.
- { Leptothyrium Pomi, Sacc.
- Leptostroma fructigenum, S.
- { Sphaeropsis Malorum, B.
- { Phoma Malorum, Sacc.
- { Macrophoma Malorum, Berl. & Vogl.
- Phyllosticta pirina, Sacc.
- { Septoria Piri, Cast.
- { Septoria piricola, Desm.
- Sphaeronomema conforme, Pk.

{ *Macroplodia cinerea*, C. & E.  
 { *Sphaeropsis cinerea*, Sacc.

## MELANCONIEAE.

*Gloeosporium versicolor*, B. & C.  
 { *Pestalozzia concentrica*, B. & Rav.  
 { *Pestalozzia rostrata*, Zabriskie.

## HYPHOMYCETES.

*Aspergillus ovalispermus*, Lk.  
*Cercospora Piri*, Farl.  
*Cheiromyces Beaumontii*, B. & C. in N. A. F.  
*Cladosporium stenosporum*, B. & C.  
*Epochnium monilioides*, Lk.  
 { *Fusarium pirinum*, S.  
 { *Fusarium apiovenum*, Sacc.  
*Fusarium arcuatum*, B. & C.  
 { *Spilocaea fructigena*, S. Am. Bor.  
 { *Spilocaea Poni*, Fr.  
*Helminthosporium Pirorum*, Lib.  
 { *Fusicladium dendriticum*, Fckl.  
*Oidium fructigenum*, (P.) Kze. & Schm.  
*Rhinotrichum repens*, Preuss.  
 { *Sporidesmium melanopum*, (Ach.) B. & Br.  
 { *Sporidesmium melanopodium*, Sacc.  
*Sporidesmium moriforme*, Pk.  
 { *Periconia truncata*, C. & P.  
 { *Sporocybe truncata*, Sacc.  
 { *Sporotrichum luteoalbum*, S. Am. Bor.  
 { *Sporotrichum Thümenii*, Sacc.  
 { *Trichothecium roseum*, (P.) Lk.  
 { *Dactylium roseum*, B.  
*Tubicularia nigricans*, (Bull.) DC.

## DISCOMYCETES.

{ *Cenangium Prunastri*, (P.) Fr., var. *rigidum*, Fr.  
 { *Cenangium rigidum*, S.  
*Dermatea fascicularis*, (A. & S.) Fr.  
*Peziza inquinans*, Cke.  
*Peziza regalis*, C. & E.  
*Tympanis conspersa*, Fr.  
*Tympanis gyroza*, B. & C.

## UREDINEAE.

*Roestelia aurantiaca*, Pk.  
 ? { *Aecidium cancellatum*, Gmel.  
 { *Roestelia cancellata*, Reb.  
 { *Caeoma Roestelites*, Lk. p. p.  
 { *Aecidium laceratum*, Sow.  
 { *Roestelia lacerata*, Fr.  
 { *Aecidium piratum*, S.  
 { *Caeoma (Roestelia) Cylindrites*, var. *Mali*, S.  
 { *Roestelia penicillata*, Auct. Amer.  
 { *Roestelia pirata*, Thaxter.  
*Roestelia transformans*, Ell.  
 { *Myxosporium colliculosum*, B.  
 { *Roestelia*, sp.

## TREMELLINI.

*Exidia truncata*, Fr.  
 { *Tremella fragiformis*, S. Syn. Car.  
 { *Hormomyces aurantiacus*, Sacc., nec Bon.  
 { *Hypsilophora fragiformis*, Cke.  
 { *Tremella violacea*, Relh.  
 { *Dacryomyces violaceus*, Fr.

## HYMENOMYCETES.

*Agaricus corticola*, P.  
*Agaricus pulvinatus*, P.  
*Hydnus Schiedermayeri*, Heufl.  
*Irpea obliquus*, Fr.  
*Merulius porinoides*, Fr.  
*Thelephora fusca*, (P.) Fr.  
 { *Polyporus populinus*, S.  
 { *Trametes malicola*, B. & C.  
***Pirus prunifolia***, Willd.  
*Fusicladium dendriticum*, (Wallr.) Fckl.  
***Pirus sambucifolia***, Cham. & Schl.  
 { *Valsa impulsa*, C. & P.  
 { *Diaporthe impulsa*, Sacc.  
***Pirus***, sp. indet.  
*Cenangium enteroxanthum*, S.  
*Cladosporium stenosporum*, B. & C.  
 { *Thelephora polygonia*, P.  
 { *Corticium polygonium*, Fr.  
 { *Sphaeria subaffixa*, S.  
 { *Nummularia subaffixa*, Sacc.  
 { *Diatrype subaffixa*, Cke.  
*Monilia punctans*, S.  
*Nectria cinnabarina*, (Tode) Fr.  
*Polyporus connatus*, Fr.  
 { *Boletus marginatus*, P.  
 { *Polyporus marginatus*, Fr.  
*Sclerotium pirinum*, Fr.  
 { *Septoria Oxyacanthae*, Kze.  
 { *Phloeoospora Oxyacanthae*, Wallr.  
*Sphaeronema piriforme*, (P.) Fr.  
*Sporotrichum fructigenum*, Lk.

## SAXIFRAGACEAE.

***Deutzia gracilis***, Sieb. & Zucc.  
*Cercospora Dentziae*, Ell. & Ev.  
***Fendlera rupicola***, Engelm. & Gr.  
*Aecidium Rusbyi*, Gerard.  
***Heuchera Americana***, L.  
*Cercospora Heucherae*, Ell. & Martin.  
 { *Puccinia Saxifragae*, Schl.  
 { *Puccinia curtipes*, Howe.  
 { *Uredo Heucherae*, S.  
 { *Caeoma Heucherae*, Lk.  
 { *Puccinia spreta*, Pk.  
***Heuchera hispida***, Pursh.  
*Cercospora Heucherae*, E. & M.  
***Heuchera micrantha***, Dougl.  
*Puccinia congregata*, Ell. & Hark.

*Heuchera villosa*, Michx.

{ Uredo Heucherae, S.  
 { Caeoma Heucherae, Lk.  
 { Puccinia spreta, Pk.

*Hydrangea arborescens*, L.

Peziza fracta, B. & C.  
 Uredo Hydrangeae, B. & C.

*Hydrangea*, sp. indet.

Cenangium apertum, S.  
 { Sphaeria sphaerocephala, S.  
 { Cytospora sphaerocephala, M. A. Curtis.  
 Peziza Hydrangeae, S.  
 { Sphaeria Hydrangeae, S.  
 { Ohleria Hydrangeae, Cke.  
 { Sphaeria Sclerotium, S.  
 Sphaerobolus sparsus, S.  
 Stictis Hydrangeae, S.  
 { Torula pallida, B. & Rav.  
 { Oospora pallida, Saec. & Vogl.

*Mitella diphylla*, L.

Phyllosticta Mitellae, Pk.  
 Puccinia spreta, Pk.  
 Puccinia Tiarella, B. & C.  
 Ramularia Mitellae, Pk.

*Mitella nuda*, L.

Puccinia congregata, Ell. & Hark.  
 Puccinia spreta, Pk.  
 Puccinia Tiarella, B. & C.

*Parnassia Caroliniana*, Michx.

{ Sphaeria Parnassiae, Pk.  
 { Didymosphaeria Parnassiae, Sacc.

*Philadelphus coronarius*, L.

Cercospora angulata, Wint.

*Philadelphus inodorus*, L.

Stictis Philadelphi, S.

*Philadelphus microphyllus*, Gray.

Aecidium gracilens, Pk.

*Ribes aureum*, Pursh.

Aecidium Grossulariae, DC.

{ Uredo ribicola, C. & E.  
 { Uredo Jonesii, Pk.  
 { Caeoma Ribes-alpini, (P.) Wint.  
 Septoria Grossulariae, (Lib.) Westd.  
 { Sphaeria penicillata, S.  
 { Coniochaeta penicillata, Cke.  
 { Sphaeria concrescens, S.  
 { Diaporthe concrescens, Cke.

*Ribes Cynosbati*, L.

Aecidium Grossulariae, DC.

Septoria Ribis, Desm.

{ Sphaerotheca Mors-uvae, (S.) B. & C.  
 { Sphaerotheca pannosa, var. Ribis, Pk.

*Ribes divaricatum*, Dougl., var. *irriguum*, Gray.

{ Sphaerotheca Mors-uvae, (S.) B. & C.  
 { Sphaerotheca pannosa, (Wallr.) Lev.  
 Stictis pelvica, P.

*Valsa agnoscens* Cke. & Hark.*Ribes floridum*, L'Her.

Aecidium Grossulariae, DC.

{ Sphaeria ribesia, S.  
 { Diatrype ribesia, M. A. Curtis.  
 { Diatrype Strumella, Fr.  
 { Diaporthe Strumella, Fckl.  
 { Sphaeria ribesia, P.  
 { Dothidea ribesia, Fr.  
 { Plowrightia ribesia, Sacc.

Septoria Ribis, Desm.

Sphaeria recondita, S.

Sphaeropsis ribicola, C. & E.

{ Sphaerotheca Mors-uvae, (S.) B. & C.  
 { Sphaerotheca pannosa, (Wallr.) Lev.  
 { Sphaeria vestita, Fr.  
 { Valsa vestita, Fr.

*Ribes gracile*, Michx.

Aecidium Grossulariae, DC.

{ Sphaerotheca Mors-uvae, (S.) B. & C.

*Ribes lacustre*, Poir., var. *parvulum*, Gray.

Aecidium Grossulariae, DC.

*Ribes nigrum*, L.

{ Leptothyrium Ribis, Lib.  
 { Gloeosporium Ribis, Desm. & Mont.  
 Sphaeria (Depazea) ribicola, Fr.

*Ribes prostratum*, L'Her.

Aecidium Grossulariae, DC.

Gloeosporium Ribis, (Lib.) Desm. & Mont.

{ Puccinia pulchella, Pk.  
 { Puccinia Grossulariae, Wint.

Septoria Ribis, Desm.

Septoria Siberica, Thm.

*Ribes rotundifolium*, Michx.

{ Aecidium Grossulariae, DC.

{ Caeoma (Aecidium) grossulariatum, Lk.

{ Septoria ribicola, B. & C.

{ Rhabdospora ribicola, Sacc.

Septoria Ribis, Desm.

{ Erysiphe Mors-uvae, S.

{ Sphaerotheca Mors-uvae, B. & C.  
 { Sphaerotheca pannosa, (Wallr.) Lev.

*Ribes rubrum*, L.

Aecidium Grossulariae, DC.

{ Sphaeropsis hyalina, B. & C.

{ Phoma hyalina, Sacc.

{ Macrophoma hyalina, Berl. & Vogl.

{ Puccinia Grossulariae, Wint.

{ Puccinia Ribis, DC.

{ Nectria Ribis, Niessl.

{ Pleonectria Ribis, Karst.

{ Pleonectria Berolinensis, Sacc.

{ Nectria Berolinensis, Ell. & Ev.

{ Sphaeria Ribis, Tode.

{ Sphaeria appendiculata, S. Syn. Car.

{ Nectria Ribis, Oud.

Phyllosticta Grossulariae, Sacc.

Septoria Ribis, Desm.

Tubercularia vulgaris, Tode.

*Ribes sanguineum*, Pursh.

Cucurbitaria Ribis, Niessl.

*Ribes Uva-crispa*, L.

Phyllosticta Grossulariae, Sacc.

{ Erysiphe Mors-uviae, S.

{ Sphaerotheca Mors-uviae, B. &amp; C.

*Ribes* (Gooseberry).

Nectria Ribis, (Tode) Oud.

*Ribes*, sp. indet.

Cenangium Ribis, Fr.

Cladosporium cubisporum, B. &amp; C.

{ Sphaeria subcutanea, Wahl.

{ Eutypa subcutanea, Sacc.

{ Fusidium Fumago, S.

{ Coniosporium Fumago, Sacc.

## Microsphaera Grossulariae, Lev.

{ Sphaeria decolorans, P.

{ Nectria cinnabarina, (Tode) Fr.

Peziza vinosa, A. &amp; S.

## Phyllactinia guttata, Lev.

Polyporus Ribis, (Schum.) Fr.

Thelephora lactea, Fr.

Thelephora ribesina, Fr.

Tubercularia confluens, P.

*Saxifraga peltata*, Torr.

Peziza setigera, Phil.

*Saxifraga Pennsylvanica*, L.

{ Puccinia Saxifragae, Schl.

{ Puccinia curtipes, Howe.

*Saxifraga Virginiana*, Michx.

{ Puccinia Saxifragae, Schl.

{ Puccinia curtipes, Howe.

*Tiarella cordifolia*, L.

Puccinia Tiarella, B. &amp; C.

{ Puccinia Tiarella, Pk., nec. B. &amp; C.

{ Puccinia spreta, Pk.

*Tiarella*, sp. indet.

Puccinia Saxifragae, Schl.

## CRASSULACEAE.

*Crassula*, sp. indet.

Diplodia Crassulae, Cke. &amp; Hark.

*Penthorum sedoides*, L.

Cercospora sedoides, Ell. &amp; Ev.

*Sedum Telephium*, L.

{ Hysterium commune, Fr.

{ Hypoderma commune, Duby.

*Sedum*, sp. indet.

Diplodia sedicola, Cke. &amp; Hark.

## HAMAMELACEAE.

*Fothergilla Gardeni*, L.

{ Xyloma Fothergillae, S.

{ Dothidea Fothergillae, S.

*Hamamelis Virginiana*, L.

Diatrype platystoma, (S.) M. A. Curtis.

{ Gonatobotrys maculicola, Wint.

{ Gonatobotryum maculicolum, Sacc.

Haplographium apiculatum, Pk.

Patellaria Hamamelidis, Pk.

Pestalozzia consocia, Pk.

{ Phyllosticta Hamamelidis, Cke.

{ Gloeosporium Hamamelidis, Cke.

{ Phyllosticta Hamamelidis, Pk. ?

Podosphaera binuncinata, C. &amp; P.

Polyporus scutellatus, S.

Ramularia Hamamelidis, Pk.

*Liquidambar Styraciflua*, L.

## PYRENOMYCETES.

{ Sphaeria atrograna, C. &amp; E.

{ Amphisphaeria atrograna, Sacc.

{ Melanconis amygdalina, Cke.

{ Anthostoma amygdalinum, Sacc.

{ Fuckelia amygdalina, Cke.

{ Nectria polythalamia, B.

{ Calonectria polythalamia, Sacc.

{ Sphaeria caminata, C. &amp; E.

{ Xylosphaeria caminata, Cke.

{ Ceratostoma caminatum, Sacc.

{ Sphaeria subcongregata, B. &amp; C.

{ Sphaeria subconnata, B. &amp; C.

{ Coelosphaeria subconnata, Sacc.

{ Fracchiaea subconnata, Cke.

{ Sphaeria divergens, S.

{ Valsa divergens, M. A. Curtis.

{ Cryptosporella divergens, Berl. &amp; Vogl.

{ Nectria rimicola, Cke.

{ Dialonectria rimicola, Cke.

Eutypa limaeformis, (S.) B.

{ Valsa stellulata, Fr.

{ Eutypella stellulata, Sacc.

{ Sphaeria petiolorum, S.

{ Gnomonia petiolorum, Cke.

Hypocrea contorta, (S.) B. &amp; C.

{ Sphaeria perforata, S.

{ Hypoxylon perforatum, Fr.

{ Hysterium cinereum, S. Syn. Car.

{ Stictis farinosa, Fr. El.

{ Ostropa cinerea, Fr.

{ Hysterium varium, Fr.

{ Ostreichnion Americanum, Duby.

{ Sphaeria Pezizula, B. &amp; C.

{ Lasiosphaeria Pezizula, Sacc.

{ Sphaeria Racodium, P.

{ Lasiosphaeria Racodium, Ces. &amp; DeNot.

{ Hypoxylon Walterianum, B. &amp; Rav.

{ Hypoxylon gemmatum, B. &amp; Rav.

{ Melogramma (Valsaria) gemmatum, Cke.

{ Sphaeria gyroza, S.

{ Endothia gyroza, Fr.

{ Melogramma gyrosum, Tul.

{ Sphaeria Aquila, Fr.

{ Rosellinia Aquila, DeNot.

- { *Sphaeria millegrana*, S.
- { *Rosellinia millegrana*, Sacc.
- { *Sphaeria pulveracea*, Ehrh.
- { *Rosellinia pulveracea*, Fckl.
- { *Hypoxyylon subiculosum*, B.
- { *Rosellinia subiculata*, (S.) Sacc.
- Sphaeria pileata*, Tode.
- { *Sphaeria disseminata*, B. & C.
- { *Teichospora disseminata*, Sacc.
- { *Hypoxyylon erinaceum*, B. & Rav.
- { *Hypoxyylon?* Ravenelii, Sacc.
- { *Valsa erinacea*, Cke.
- { *Sphaeria Liquidambaris*, S.
- { *Valsa Liquidambaris*, M. A. Curtis.
- Valsa salicina*, (P.) Fr.
- { *Diatrype quadrata*, (S.) B.
- { *Valsaria quadrata*, Sacc.
- { *Sphaeria carpophila*, P.
- { *Xylaria carpophila*, Fr.

## HYMENOMYCETES.

- Agaricus niger*, S.
- Clavaria Petersii*, B. & C.
- Corticium crocicreas*, B. & C.
- Corticium laeve*, Fr.
- { *Corticium miniatum*, B.
- { *Corticium sanguineum*, Fr.
- Corticium siparium*, B. & C.
- { *Daedalea confragosa*, P.
- { *Lenzites Crataegi*, B.
- Hydnus Cookei*, B.
- Hydnus ochraceum*, P.
- Hydnus setulosum*, B. & C.
- Irpex obliquus*, Fr.
- Lenzites bicolor*, Fr.
- Polyporus adustus*, (Willd.) Fr.
- { *Polyporus biformis*, Fr.
- { *Polyporus Caroliniensis*, B. & C.
- { *Boletus cinnabarinus*, Jacq.
- { *Polyporus cinnabarinus*, Fr.
- { *Boletus gilvus*, S.
- { *Polyporus gilvus*, Fr.
- Polyporus pargamenus*, Fr.
- { *Boletus carpineus*, var. b. S. Syn. Car.
- { *Polyporus rutilans*, S. Am. Bor.
- { *Polyporus scapus*, Fr.
- { *Peziza pruinata*, S.
- { *Solenia poriaeformis*, (DC.) Fckl.
- Stereum complicatum*, Fr.
- { *Thelephora Stylociflora*, S.
- { *Stereum styraciflum*, M. A. Curtis.
- Thelephora bufonia*, P.
- Typhula Grevillei*, Fr.

## MISCELLANEA.

- Clasterosporium subulatum*, C. & P.
- Dendryphium fasciculare*, B. & Rav.
- Harknessia affinis*, Ell. & Ev.

- { *Helicoma Berkeleyi*, M. A. Curtis.
- { *Helicosporium Berkeleyi*, Sacc.
- Helminthosporium asterinum*, Cke.
- Hirueola scutelliformis*, B. & C.
- Melampsora Liquidambaris*, Cke.
- { *Peziza flammea*, S. Syn. Car.
- { *Peziza cinnabarinina*, S.
- Peziza rubella*, P.
- Peziza saccharifera*, B.
- { *Peziza sanguinella*, B. & C.
- { *Peziza vulgaris*, Fr. var. *sanguinella*, B.
- { *Seiridium inarticulatum*, M. A. Curtis.
- { *Seiridium Liquidambaris*, B. & C.
- Septoria Liquidambaris*, C. & E.
- Sporidesmium concinnum*, B.
- Torula binale*, C. & E.

## HALORAGEAE.

- Proserpinaca palustris*, L.
- Puccinia Proserpinacae*, Farl.
- Proserpinaca pectinata*, Lam.
- { *Puccinia Epilobii*, DC., var. *Proserpinacae*,
- { Farl.
- { *Puccinia Proserpinacae*, Farl.
- Proserpinaca*, sp. indet.
- Aecidium Proserpinacae*, B. & C.

## MYRTACEAE.

- Eucalyptus globulus*, Labill.
- { *Acrospermum corrugatum*, Ell.
- { *Acrospermum fultum*, Hark.
- Calloria Eucalypti*, Phil. & Hark.
- Camposporium antennatum*, Hark.
- Chalara Montellica*, Sacc.
- { *Fumago vagans*, P.
- { *Cladosporum Fumago*, Lk.
- Cleistosoma purpureum*, Hark.
- Cryptosporium Eucalypti*, Cke. & Hark.
- Diaporthe Eucalypti*, Hark.
- Diatrype Eucalypti*, Cke. & Hark.
- { *Sphaeria (Didymosphaeria) Cupula*, Ell.
- { *Didymosphaeria circinans*, Hark.
- Eriosphaeria investans*, (Cke.) Sacc.
- { *Harknessia Eucalypti*, Cke.
- { *Harknessia uromyoides*, Speg.
- Peziza emergens*, Phil. & Hark.
- Peziza subcornea*, Phil. & Hark.
- Phoma Eucalypti*, Cke. & Hark.
- { *Sphaeropsis Molleriana*, Thm.
- { *Phoma Molleriana*, Sacc.
- { *Macrophoma Molleriana*, Berl. & Vogl.
- Sphaerella Molleriana*, Thm.
- Theclospora bifida*, Hark.
- Inzengaea erythrospora*, Borzi.
- Triposporium elegans*, Cda.

Valsa Eucalypti, Cke. & Hark.

***Eucalyptus odorata***, Behr.

{ Harknessia uromycoides, Speg.?  
{ Harknessia longipes, Hark.

***Eucalyptus***, sp. indet.

PYRENOMYCETES.

Chaetosphaeria ornata, Hark.

Hypocrea consimilis, Ell.

Hypoderma Eucalypti, Cke. & Hark.

Hysterium Eucalypti, Phil. & Hark.

Hysterium pulicare, P.

Lasiosphaeria ovina, (P.) Ces. & DeNot.

{ Dialonectria Eucalypti, Cke. & Hark.  
{ Nectria Eucalypti, Berl. & Vogl.

{ Byssonectria chrysocoma, Cke. & Hark.  
{ Nectria chrysocoma, Berl. & Vogl.

Pleosphaeria modesta, Hark.

Rosellinia spinosa, Hark.

{ Sphaeria anisometra, Cke. & Hark.

{ Sphaeria (Leptosphaeria) anisometra, Cke.?  
{ Metasphaeria anisometra, Sacc.

Sphaeria (Teichospora) Eucalypti, Cke. & Hark.

Sphaeria mutila, var. Eucalypti, Cke. & Hark.

Sphaeria (Metasphaeria) plagarum, Cke. & Hark.

Valsaria Eucalypti, (Kalch. & Cke.) Sacc.

SPIAEROPSIDEAE.

Diplodia Eucalypti, Cke. & Hark.

{ Diplodia microspora, Sacc., nec B. & C.  
{ Diplodia microsporella, Sacc.

Diplodia tenuis, Cke. & Hark.

Hendersonia corynoidea, Cke. & Hark.

Hendersonia Eucalypti, Cke. & Hark.

{ Cryptosporium ceuthosporoides, Cke. & Hark.

{ Septoria ceuthosporoides, Sacc.

Sphaeronema Eucalypti, Cke. & Hark.

{ Sphaeropsis macrosperma, Cke. & Hark.  
{ Aposphaeria macrosperma, Sacc.

MELANCONIEAE.

Gloeosporium capsularum, Cke. & Hark.

Melanconium globosum, Cke. & Hark.

Pestalozzia funerea, Desm.

Pestalozzia inquinans, Cke. & Hark.

Pestalozzia monochaeta, Desm.

{ Pestalozzia truncata, Lev.

{ Pestalozzia truncatula, (Cda.) Fckl.

Stilbospora angustata, P.

HYPHOMYCETES.

{ Polyactis fusca, Cke. & Hark.

{ Botrytis fusca, Sacc.

Chaetopsis fusca, Cda.

Chalara fusidiooides, Cda.

Circinotrichum maculiforme, Nees.

{ Bactrodesmium clavatum, Cke. & Hark.  
{ Clasterosporium clavatum, Sacc.

Coremium glaucum, Lk.

{ Menispora hyalina, Cke. & Hark.

{ Cylindrocephalum hyalinum, Sacc.

Epidochlium Eucalypti, Cke.

{ Fusidium albodocarneum, Cke. & Hark.

{ Fusarium albodocarneum, Sacc.

Fusarium Eucalyptorum, Cke. & Hark.

Fusarium mesentericum, Cke. & Hark.

{ Helicoma Berkeleyi, M. A. Curtis.

{ Helicosporium Berkleyi, Sacc.

Helminthosporium obovatum, B. & Br.

Monilia viridiflava, Cke. & Hark.

{ Myrstosporium Curtisii, B.

{ Myrstosporium Spraguei, B. & C. in Herb.

Septonema multiplex, B. & C.

Septosporium scyphophorum, Cke. & Hark.

Speira toruloides, Cda.

Stysanus Stemonitis, (P.) Cda.

Tubercularia Eucalypti, Cke. & Hark.

Volutella coronata, Cke. & Hark.

DISCOMYCETES.

Dermatea Eucalypti, Cke. & Hark.

Peziza carneorosea, Cke. & Hark.

Peziza cerina, P.

Peziza luteorubella, Nyl.

Peziza rufoolivacea, A. & S.

Propolis versicolor, Fr.

Stictis radiata, P.

HYMENOMYCETES.

Agariens sacchariferus, B. & Br.

Corticium epiphyllum, (P.) Cke.

Pistillaria ovata, Fr.

***Psidium***, sp. indet.

Antennaria Guava, Cke.

LYTHRACEAE.

***Cuphaea viscosissima***, Jacq.

Septoria maculosa, Gerard.

***Lagerstroemia***, sp. indet.

Hendersonia pauciseptata, B. & C.

Pestalozzia Guepini, Desm.

***Lythrum alatum***, Pursh.

***Lythrum Salicaria***, L.

Septoria lythrina, Pk.

***Nesaea verticillata***, HBK.

Aecidium Nesaeae, Gerard.

Peziza cyathoidea, Bull.

*Peziza subatra*, C. & P.  
*Phyllosticta Nesaeae*, Pk.

ONAGRACEAE.

*Boisduvalia densiflora*, Watson.  
*Puccinia Oenotherae*, Vize.

*Boisduvalia Torreyi*, Watson.  
*Puccinia Boisduvaliae*, Pk.

*Circaeа alpina*, L.  
*Puccinia Circaeae*, P.

*Circaeа Iutetiana*, L.  
*Puccinia Circaeae*, P.

*Circaeа Pacifica*, Aschers. & Mag.  
*Puccinia Circaeae*, P.

*Circaeа*, sp. indet.  
 { *Uredo Circaeae*, Schum.  
 { *Caeoma (Uredo) Onagrarum*, Lk.

*Clarkia pulchella*, Pursh.  
*Puccinia Clarkiae*, Pk.

*Clarkia rhomboidea*, Dougl.  
*Puccinia Clarkiae*, Pk.

*Epilobium alpinum*, L.  
*Aecidium Epilobii*, DC.

*Cercospora Epilobii*, Schneid.

*Doassansia Epilobii*, Farl.

~ *Sphaerotheca Epilobii*, (Lk.) DBy.

*Epilobium coloratum*, Muhl.  
*Melampsora Epilobii*, (P.) Fckl.  
*Septoria Epilobii*, Westd.

*Epilobium hirsutum*, L.  
*Uredo pustulata*, P.

*Epilobium latifolium*, L.  
*Pleospora arctica*, Fckl.  
*Sphaeria nivalis*, Fckl.

*Epilobium palustre*, L., var. *lineare*, Gray.  
*Melampsora Epilobii*, (P.) Fckl.

*Epilobium paniculatum*, Nutt.  
*Puccinia Epilobii*, DC.

*Epilobium spicatum*, Lam.  
 { *Dothidea Epilobii*, Fr.  
 { *Asteroma Epilobii*, Fr.

*Clavaria typhuloides*, Pk.  
 { *Sphaeria Racemula*, C. & P.  
 { *Diaporthe Racemula*, Sacc.

~ *Uredo pustulata*, P.  
 { *Melampsora Epilobii*, (P.) Fckl.

*Epilobium tetragonum*, L.  
 / *Lecythea macrosora*, Pk.

~ *Uredo Epilobii*, DC.

*Epilobium*, sp. indet.  
 { *Aecidium Epilobii*, DC.  
 { *Caeoma (Aecidium) Epilobii*, Schl.

*Venturia Johnstoni*, (B. & Br.) Sacc.?

*Fuchsia*, sp. indet.  
*Didymella Fuchsiae*, Cke & Hark.  
*Diplodia Fuchsiae*, Cke. & Hark.

*Gaura coccinea*, Nutt.  
*Aecidium gaurinum*, Pk.

*Trichobasis gaurina*, Pk.

*Gaura parviflora*, Dougl.  
*Septoria gaurina*, Ell. & Kell.

*Gayophytum ramosissimum*, Torr. & Gr.  
*Aecidium Gayophyti*, Vize.

*Gayophytum*, sp. indet.  
*Puccinia Gayophyti*, Billings.

*Jussiaea repens*, L.  
*Septoria Jussiaeae*, Ell. & Kell.

*Ludwigia alternifolia*, L.  
*Aecidium Epilobii*, DC.

*Ludwigia palustris*, Elliott.  
*Septoria Ludwigiae*, Cke.

*Ludwigia*, sp. indet.  
 { *Sphaeria Ludwigiae*, Cke.  
 { *Physalospora Ludwigiae*, Sacc.

*Oenothera biennis*, L.  
*Aecidium Epilobii*, DC.

*Aecidium Oenotherae*, Pk.

*Ceratostoma subulatum*, Ell.

~ *Erysiphe communis*, (Wallr.) Schl.  
 { *Sphaeria Doliolum*, P.  
 { *Leptosphaeria Doliolum*, DeNot.

~ *Sphaeria subconica*, C. & P.  
 { *Leptosphaeria subconica*, Sacc.

*Leptothyrium protuberans*, (Lev.) Sacc.  
 { *Lophiostoma vermispora*, Ell.  
 { *Lophionema vermisporum*, Sacc.

~ *Ophiotheca umbrina*, B. & C.  
 { *Perichaena variabilis*, Rostf.

★ *Peronospora Arthuri*, Farl.  
*Peziza Oenotherae*, C. & E.

~ *Septoria Oenotherae*, Westd.  
 { *Septoria Oenotherae*, B. & C.

*Sphaerella Oenotherae*, Ell. & Ev.

*Sphaeronema corneum*, C. & E.  
*Synchytrium fulgens*, Schrt.

*Oenothera caespitosa*, Nutt.  
*Aecidium Oenotherae*, Pk.

*Uromyces plumbarius*, Pk.

*Oenothera Fremonti*, Watson.  
*Puccinia Oenotherae*, Vize.

*Uromyces Oenotherae*, Burrill.

*Oenothera linifolia*, Nutt.  
*Uromyces Oenotherae*, Burrill.

*Oenothera ovata*, Nutt.  
*Septoria Oenotherae*, Westd.

*Oenotherae serrulata*, Nutt.  
*Aecidium Oenotherae*, Pk.

*Septoria Oenotherae*, Westd.

*Oenothera sinuata*, L.  
*Aecidium Oenotherae*, Pk.

~ *Sphaeria Oenotherae*, B. & C.  
 { *Physalospora Oenotherae*, Sacc.

*Septoria Oenotherae*, Westd.

*Oenothera strigulosa*, Torr. & Gr.

Puccinia Oenotherae, Vize.

*Oenothera*, sp. indet.

Sphaeria (Didymella) lophospora, (Sacc. & Speg.) Ell.

*Stenosiphon virgatus*, Spach.

Septoria Stenosiphonis, Ell. & Kell.

*Zauschneria Californica*, Presl.

{ Synchytrium Jonesii, Pk.

{ Tuberculina Jonesii, Sacc.

#### LOASACEAE.

*Mentzelia nuda*, Torr. & Gr.

*Mentzelia ornata*, Torr. & Gr.

Phyllosticta Mentzeliae, Ell. & Kell.

Septoria Mentzeliae, Ell. & Kell.

#### PASSIFLORACEAE.

*Passiflora lutea*, L.

Cercospora fuscovirens, Sacc.

Erineum Passiflora-luteae, S.

*Passiflora*, sp. indet.

Helminthosporium molle, B. & C.

{ Septoria fructicola, B. & C.

{ Septoria fructigena, B. & C.

#### CUCURBITACEAE.

*Citrullus vulgaris*, Schrad.

Cercospora citrullina, Cke.

Gloeosporium Lindemuthianum, Sacc. & Magn.

Myrothecium Verrucaria, (A. & S.) Dittm.

Pestalozzia torulosa, B. & C.

{ Phoma Citrulli, B. & C.

{ Macrophoma Citrulli, Berl. & Vogl.

Phoma cucurbitalis, B. & C.

{ Sphaeropsis seminalis, B. & C.

{ Phoma seminalis, Sacc.

{ Macrophoma seminalis, Berl. & Vogl.

*Cucumis Melo*, L.

Mucur curtus, B. & C.

Mucospurtus, B. & C.

*Cucurbita Pepo*, L.

Epicoccum micropus, Cda.

Mucor inaequalis, Pk.

Phyllosticta orbicularis, Ell. & Ev.

Septoria Cucurbitacearum, Sacc.

Sphaeria Peponis, S.

Spilocaea concentrica, S.

*Cucurbita perennis*, Gray.

Cercospora Cucurbitae, Ell. & Ev.

*Cucurbita verrucosa*, L.

Verticillium verrucosum, B. & C.

*Cucurbita* (Squash).

Aspergillus clavellus, Pk.

Macrosporium Sarcinula, B.

Mucor inaequalis, Pk.

Peziza Cucurbitae, Gerd.

Phoma Cucurbita cearum, (Fr.) M. A. Curtis.

Phoma cucurbitale, B. & C.

Rhopalomyces Cucurbitarum, B. & Rav.

*Cucurbita*, sp. indet.

Botrytis cinerea, P.

Coniothyrium Arthurianum, Sacc. & Berl.

Mucor clavatus, Lk.

Mucor minimus, Lk.

Sphaeria mucosa, P.

Torula herbarum, Lk.

{ Fusarium ciliatum, Lk.

{ Volutella ciliata, Fr.

*Echinocystis lobata*, Torr. & Gr.

Cercospora Echinocystis, Ell. & Martin.

Septoria Sicyi, Pk.

*Lagenaria vulgaris*, Ser.

Fusarium aurantiacum, Cda.

{ Fusisporium Lagenariae, S.

{ Fusarium Lagenariae, Sacc.

Gloeosporium lagenarium, (Pass.) Sacc. & Roum.

{ Sphaeria Cucurbitacearum, Fr. p. p.

{ Sphaerella Cucurbitacearum, Cke.

{ Laestadia Cucurbitacearum, Sacc.

Mucor Cucurbitarum, B. & C.

{ Nectria perpusilla, B. & C.

{ Nectria Peponum, B. & C.

{ Dialonectria Peponum, Cke.

{ Sphaeria Cucurbitacearum, Fr. p. p.

{ Phoma Cucurbitacearum, M. A. Curtis.

Septoria vestita, B. & C.

Torula Cucurbitarum, S.

Vermicularia Cucurbitae, Cke.

*Megarrhiza Californica*, Torr.

{ Sphaeria (Didymella) Megarrhizae, Cke. & Hark.

{ Didymella Cookeana, Berl. & Vogl.

Didymella Megarrhizae, Cke. & Hark.

Gibberella pulicaris, (Fr.) Sacc.

Hymenula Megarrhizae, Cke. & Hark.

Stictis Megarrhizae, Phil. & Hark.

Vermicularia rectispora, Cke.

*Megarrhiza Oregana*, Torr.

Vermicularia rectispora, Cke.

*Sicyos angulatus*, L.

{ Peronospora australis, Speg.

{ Peronospora sicyicola, Trelease.

Septoria Sicyi, Pk.

Spharella sicyicola, Ell. & Ev.

*Cucurbitaceae*, sp. indet.

Asterina Wrightii, B. & C.

Chondromyces crocatus, B. & C.

Sporocybe byssoides, (P.) Fr.

## CACTACEAE.

*Cactus*, sp. indet.

Asterina Wrightii, B. &amp; C.

*Cereus giganteus*, Engelm.

{ Hendersonia Cerei, Pk.  
 { Camarosporium Cerei, Sacc.

*Echinocactus*, sp. indet.

Naemaspora pruinosa, B. &amp; C.

*Opuntia Brasiliensis*, Haw.

Gloeosporium Opuntiae, Ell. &amp; Ev.

*Opuntia Engelmanni*, Salm.

Sphaeria Cacti, S.

*Opuntia Rafinesquii*, Engelm.

Perisporium Wrightii, B. &amp; C.

*Opuntia*, sp. indet.

Gibbera pulicaris, Fr.

Rhytisma Cacti, S.

Sphaeria Cacti, S.

Vermicularia Dematium, (P.) Fr.

## FICOIDEAE.

*Mesembrianthemum aequilaterale*, Haworth.

Camarosporinm ellipticum, Cke. &amp; Hark.

*Mesembrianthemum*, sp. indet.

Gibberella Saubinetii, (Mont.) Sacc.

Torula herbarum, Lk.

## UMBELLIFERAEE.

*Angelica Breweri*, Gray.

Phyllosticta Angelicae, Sacc.

*Angelica genuflexa*, Nutt

{ Puccinia Pimpinellae, (Strauss) Lk.

{ Puccinia Angelicae, Ell. &amp; Ev.

*Angelica lucida*, L.

Sphaeria Angelicae-lucidae, S.

Capillaria caulincola, (P.) Lk.

*Angelica*, sp. indet.

Sphaeria chloromela, Fr.

*Apium graveolens*, L.

Cercospora Apii, Fres.

*Archangelica atropurpurea*, Hoffm.

Dothidea stipata, Fr.

{ Cladosporium depressum, B. &amp; Br.

{ Passalora depressa, Sacc.

{ Fuscladium depressum, Sacc.

{ Puccinia bullata, (P.) Schrt.

{ Puccinia Umbelliferarum, DC.

*Archangelica*, sp. indet.

{ Gloeosporium Angelicae, Cke.

{ Septogloeum Angelicae, Sacc.

*Chaerophyllum procumbens*, Crantz.

{ Puccinia Pimpinellae, (Strauss) Lk.

{ Caeoma (Uredo) Chaerophylli, S.

{ Puccinia Myrrhis, S.

*Cicuta maculata*, L.

Aecidium Pimpinellae, Kirchner.

Helminthosporium interseminatum, B. &amp; Rav.

Peziza cyathoidea, Bull.

Septoria Sii, Rob.

*Cryptotaenia Canadensis*, DC.

{ Puccinia enormis, Fekl.

{ Puccinia Cryptotaeniae, Pk.

{ Puccinia Astrantiae, B. &amp; C.

Septoria Cryptotaeniae, Ell. &amp; Rau.

Sphaeria Myrrhis, S.

*Daucus Carota*, L.

{ Sphaeria comatella, C. &amp; E.

{ Leptosphaeria comatella, Sacc.

*Daucus*, sp. indet.

{ Sphaeria herbarum, P.

{ Pleospora herbarum, Rabh.

*Eryngium yuccaefolium*, Michx.

Cylindrosporium Eryngii, Ell. &amp; Kell.

*Ferula dissoluta*, Watson.

Puccinia asperior, Ell. &amp; Ev.

*Ferula multifida*, Gray.

{ Puccinia Pimpinellae, (Strauss) Lk.

{ Puccinia Jonesii, Pk.

*Foeniculum vulgare*, Gaert.

Agaricus cyphellaformis, B.

Cyphella Capula, (Holmsk.) Fr.

{ Pleospora brunnea, Cke.

{ Metasphaeria brunnea, Sacc.

*Heracleum lanatum*, Michx.

Cylindrosporium Heraclei, Ell. &amp; Ev.

Diaporthe Arctii, (Lasch) Nits.

{ Sphaeria rubella, P.

{ Ophiobolus porphyrogenitus, (Tode) Sacc.

Phyllachora Heraclei, (Fr.) Fekl.

Ramularia Heraclei, (Oud.) Sacc.

Septoria Heraclei, (Lib.) Desm.

*Hydrocotyle Americana*, L.

Septoria Hydrocotyles, Desm.

*Hydrocotyle interrupta*, Muhl.

Cercospora Hydrocotyles, Ell. &amp; Ev.

*Hydrocotyle prolifera*, Kellogg.

{ Uredo Hydrocotyles, (Lk.) Mont.

{ Trichobasis Hydrocotyles, Cke.

*Hydrocotyle repanda*, P.

Septoria Hydrocotyles, Desm.

*Hydrocotyle umbellata*, L.

Uredo Hydrocotyles, (Lk.) Mont.

*Ligusticum Scoticum*, L.

Aecidium Ligustici, Ell. &amp; Ev.

*Oenanthe Californica*, Watson.

Triphragmium echinatum, Lev.

*Osmorrhiza brevistylis*, DC.

{ Aecidium Pimpinellae, Kirchner.

{ Aecidium Osmorrhizae, Pk.

{ *Puccinia Pimpinellae*, (Strauss) Lk.  
 { *Caeoma (Uredo) Chaerophylli*, S.  
 { *Caeoma (Uredo) Chelidonii*, S.  
 { *Puccinia Myrrhis*, S.  
 { *Puccinia Bupleuri*, Auct. Amer.  
 { *Puccinia Osmorrhizae*, C. & P.  
***Osmorrhiza longistylis*, DC.**  
 Aecidium *Pimpinellae*, Kirchner.  
 { *Puccinia Pimpinellae*, (Strauss) Lk.  
 { *Puccinia Myrrhis*, S.  
 { *Puccinia Osmorrhizae*, C. & P.  
 Septoria *Aegopodii*, Desm.  
***Osmorrhiza nuda*, Torr.**  
*Puccinia Pimpinellae*, (Strauss) Lk.  
***Osmorrhiza*, sp. indet.**  
 { *Sphaeria Dematium*, P.  
 { *Vermicularia Dematium*, Fr.  
***Pastinaca sativa*, L.**  
 Capillaria *caulincola*, (P.) Lk.  
 Cercospora *Apii*, Fres., var. *Pastinaceae*, Farl.  
 Diaporthe *Arctii*, Nits.  
 { *Peziza pallescens*, P.  
 { *Helotium pallescens*, Fr.  
 { *Peziza Pastinaceae*, S.  
 { *Helotium pastinacum*, Cke.  
 { *Sphaeria Patella*, (Tode) P.  
 { *Heterosphaeria Patella*, Grev.  
 { *Sphaeria variabilis*, S.  
 { *Lophiostoma variabile*, Sacc.  
 Peziza *relicina*, Fr.  
 Septoria *pastinacina*, Sacc.  
 Sphaeria *chloromela*, Fr.  
 Sphaeria *Pastinaceae*, S.  
 Stictis *Umbellatarum*, S.  
 Stilbum *carcinophthalmum*, B. & C.  
***Peucedanum simplex*, Nutt.**  
***Peucedanum Suksdorffii*, Watson.**  
 { *Puccinia Pimpinellae*, (Strauss) Lk.  
 { *Puccinia Jonesii*, Pk.  
***Pimpinella integrifolia*, Benth. & Hook.**  
 Cercospora *platyspora*, Ell. & Holw.  
 { *Passalora depressa*, (B. & Br.) Sacc.  
 { *Fusicladium depressum*, Sacc.  
 Fusicladium *punctiforme*, Wint.  
 ?*Puccinia Umbelliferarum*, DC.  
***Polytaenia Nuttallii*, DC.**  
 Cercospora *Polytaeniae*, Ell. & Kell.  
***Sanicula Canadensis*, L.**  
*Puccinia Saniculae*, Grev.  
***Sanicula Marylandica*, L.**  
Entylooma Saniculae, Pk.  
*Puccinia Saniculae*, Grev.  
 Septoria *Saniculae*, Ell. & Ev.  
 { *Uromyces plurianulatus*, B. & C.  
 { *Synchytrium plurianulatum*, Farl.  
***Sanicula Menziesii*, Hook. & Arn.**  
 Belonidium *fuscum*, Phil. & Hark.

{ *Puccinia Saniculae*, Hark.  
 { *Synchytrium plurianulatum*, Farl.  
***Sanicula*, sp. indet.**  
 Aecidium *Saniculae*, Carm.  
 { *Puccinia bullata*, (P.) Schrt.  
 { *Puccinia Bullaria*, Lk.  
***Sium cicutaefolium*, Gmel.**  
 Aecidium *Sii-latifolii*, (Fiedler) Wint.  
***Thaspium trifoliatum*, Gray., var. *apterum*, Gray.**  
 Cercospora *Ziziae*, Ell. & Ev.  
***Umbelliferae*, sp. indet.**  
 Dermosporium *decolorans*, S.  
 { *Sphaeria curvirostra*, Sow.  
 { *Gnomonia? curvirostra*, Sacc.  
 Helminthosporium *delicatulum*, B. & Br.  
 Peronospora *nivea*, (Ung.) DBy.  
 Peziza *Campanula*, Nees.  
 Peziza *extricata*, B. & C.  
 Sphaeria *ampliata*, S.  
 Sphaeria *Umbellatarum*, S.  
 Torula *abbreviata*, Cda.  
 Vermicularia *hypodermia*, (Lk.) S.

### ARALIACEAE.

***Aralia California*, Watson.**  
 Sphaerella *Araliae*, Cke. & Hark.  
 Sphaeria *communipula*, B. & Br.?  
***Aralia nudicaulis*, L.**  
 Triphragmium *clavelosum*, Berk.  
 Cercospora *leptosperma*, Pk.  
***Aralia racemosa*, L.**  
 Acrospermum *album*, Pk.  
 Peziza *cyathoidea*, Bull.  
***Aralia spinosa*, L.**  
 { *Melogramma Araliae*, M. A. Curtis.  
 { *Botryosphaeria Araliae*, Cke.  
 Discosia *artoereas*, (Tode) Fr.  
 Fusarium *nitidum*, B. & C.  
 Fusarium *roseum*, Lk.  
 { *Helicoma Berkeleyi*, M. A. Curtis.  
 { *Helicosporium Berkeleyi*, Sacc.  
 Hysterium *variegatum*, B. & C.  
 Irpex *lacteus*, Fr.  
 Pestalozzia *brevipes*, Cke.  
 Phoma *melaleucum*, B. & C.  
 { *Dothidea nodicola*, S.  
 { *Phyllachora nodicola*, Sacc.  
 Vermicularia *maculans*, Lk.  
***Aralia*, sp. indet.**  
 Leptostroma *vulgare*, Fr.  
 Peziza *relicina*, Fr.  
 Peziza *setigera*, Phil.  
 Tubercularia *lutescens*, Lk.

*Hedera Helix*, L.

- { *Cladosporium brunneum*, Cke. & Hark.
- { *Cladosporium brunneolum*, Sacc.
- Depazea hederaecola*, Fr.?
- Diplodia Hederae*, Desm.
- Diplodia vulgaris*, Lev.
- { *Sphaeria hederaefolia*, Cke.
- { *Metasphaeria hederaefolia*, Sacc.
- Metasphaeria helicicola*, (Desm.) Sacc.
- { *Sphaeria Eunotia*, B. & C.
- { *Physalospora Eunotia*, Sacc.
- Trochila Craterium*, Fr.
- Vermicularia trichella*, Fr.

## CORNACEAE.

*Cornus alternifolia*, L. f.

- { *Sphaeria callista*, B. & C.
- { *Cucurbitaria callista*, B. & C.
- { *Chiloneetria callista*, Pk.
- { *Fracchiaea callista*, Sacc.
- { *Microsphaera pulchra*, C. & P.
- { *Microsphaera Alni*, (DC.) Wint.
- Myxosporium nitidum*, B. & C.
- Septoria cornicola*, Desm.
- Sphaeria Pezizula*, B. & C.
- { *Sphaeropeltis aurantiacum*, Pk.
- { *Zythia aurantiaca*, Sacc.

*Cornus asperifolia*, Michx.

- Septoria cornicola*, Desm.

*Cornus Canadensis*, L.

- Glomerularia Corni*, Pk.

- Physarum luteolum*, Pk.

- { *Puccinia acuminata*, Pk.

- { *Puccinia porphyrogenita*, M. A. Curtis.

*Cornus circinata*, L'Her.

- { *Sphaeropsis cornina*, Pk.

- { *Phoma cornina*, Pk.

- Venturia Clintonii*, Pk.

*Cornus floridana*, L.

- Corticium cinereum*, Fr.

- { *Fusisporium miniatum*, B. & C.

- { *Fusarium miniatum*, Sacc.

- { *Helicoma Berkeleyi*, M. A. Curtis.

- { *Helicosporium Berkeleyi*, Sacc.

- Helminthosporium apiculatum*, Cda.

- Helminthosporium macrocarpon*, Grev.

- { *Lichenopsis sphaeroboloidea*, S.

- { *Stictis sphaeroboloidea*, B.

- { *Perichaena populina*, Fr.

- { *Perichaena corticalis*, (Batsch) Rostf.

- Peziza exidiella*, B. & C.

- Peziza fascicularis*, A. & S.

- Peziza miltophthalma*, B. & C.

- Peziza roseoalba*, S.

- { *Phyllactinia guttata*, Lev.

- { *Phyllactinia suffulta*, (Reb.) Sacc.

- { *Sphaeria (Depazea) cornicola*, (DC.) Fr.

- { *Septoria cornicola*, Desm.

*Septoria Corni-maris*, Sacc.*Septosporium fuliginosum*, Ell.{ *Peziza pruinata*, S.{ *Solenia poriaeformis*, (DC.) Fckl.*Sphaeronema metulaeforme*, B.*Thelephora albomarginata*, S.*Tremella virens*, S.

## PYRENOMYCETES.

{ *Sphaeria exilis*, A. & S.{ *Coelosphaeria exilis*, Sacc.{ *Sphaeria atropurpurea*, Fr.{ *Hypoxylon atropurpureum*, Fr.*Hypoxylon perforatum*, Fr.{ *Sphaeria xestothele*, B. & C.{ *Lasiosphaeria xestothele*, Sacc.{ *Sphaeria olivaespora*, B. & C.{ *Leptosphaeria olivaespora*, Sacc.{ *Sphaeria Aquila*, Fr.{ *Rosellina Aquila*, DeNot.{ *Sphaeria Desmazierii*, B. & Br.{ *Rosellinia Desmazierii*, Sacc.{ *Sphaeria Corni*, S.{ *Sphaerella cornifolia*, Cke.{ *Sphaeria punctiformis*, P.{ *Sphaerella punctiformis*, Fr.{ *Sphaeria scutellata*, P.{ *Valsa scutellata*, Cke.*Cornus paniculata*, L'Her.*Dimerosporium pulchrum*, Sacc.{ *Sphaeria nidulans*, S.{ *Meliola nidulans*, Cke.*Phyllosticta cornicola*, Rabh.*Septoria cornicola*, Desm.*Valsa cornina*, Pk.*Cornus sericea*, L.*Cytospora chloroglæa*, B. & C.*Dimerosporium pulchrum*, Sacc.{ *Hysterium flexuosum*, S.{ *Hysterographium flexuosum*, Sacc.*Pestalozzia cornifolia*, Ell. & Ev.*Phyllosticta cornicola*, Rabh.*Septoria cornicola*, Desm.*Stictis radiata*, P.*Cornus stolonifera*, Michx.*Hymenula hysteroides*, Pk.{ *Microsphaera Alni*, (DC.) Wint.*Septoria cornicola*, Desm.*Cornus suecica*, L.*Dimerosporium pulchrum*, Sacc.*Patellaria applanata*, B. & C.*Patellaria rhabarbarina*, B.*Cornus*, sp. indet.{ *Corticium ceraceum*, B. & Rav.{ *Corticium molle*, B. & C.*Corticium incarnatum*, Fr.{ *Daedalea confragosa*, P.{ *Lenzites Cookei*, B.

{ *Daedalea corrugata*, Klotzsch.  
 { *Lenzites corrugata*, B. & C.  
*Dermatea Corni*, Phil. & Hark.  
*Dermatea flavocinerea*, Phil.  
 { *Diatrype aspera*, Fr.  
 { *Diatrypella aspera*, Nits.  
**Erysiphe tortilis**, (Wallr.) Fr.  
*Fusarium Berkelei*, Mont.  
*Helotium propinquum*, Sacc. & Ell.  
*Lichenopsis sphaeroboloidea*, S.  
 { *Dothidea subcuticularis*, S.  
 { *Phyllachora subcuticularis*, Sacc.  
*Asteroma* sp.? Cke.  
*Rhytisma maximum*, Fr.  
 { *Hendersonia pallida*, B. & C.  
 { *Stagonopsis pallida*, Sacc.  
*Stictis Stigma*, C. & E.  
*Thelephora pedicellata*, S.  
*Valsa munda*, B. & C.  
*Valsa scutellata*, (P.) Cke.  
 { *Valsa atomaeaspora*, Cke.  
 { *Eutypella atomaeaspora*, Sacc.  
**Garrya elliptica**, Dougl  
*Aulographum lucens*, Hark.  
*Cercospora Garryae*, Hark.  
*Cercospora glomerata*, Hark.  
*Ceuthospora foliicola*, (Lib.) Cke.  
*Peziza tautilla*, Phil. & Hark.  
*Phillipsiella purpurea*, Phil. & Hark.  
*Phyllosticta Garryae*, Cke. & Hark.  
*Septosporium velutinum*, C. & E.  
*Sphaeria (Thyridium) Garryae*, Cke. & Hark.  
**Garrya**, sp. indet.  
*Meliola amphitricha*, Fr.  
**Nyssa capitata**, Walt.  
*Phyllosticta Nyssae*, Cke.  
**Nyssa multiflora**, Wang.  
*Asterina erysiphoides*, B. & C.  
 { *Sphaeronema hispidulum*, Ell.  
 { *Cornularia hispidula*, Sacc.  
*Diatrype asterostoma*, B. & C.  
*Diatrype Duriae*, Mont.  
 { *Raeodium ramosum*, S.  
 { *Glenospora Curtissii*, B. & Desm.  
 { *Glenospora ramorum*, B. & C.  
 { *Isothea Nyssae*, B. & C.  
 { *Hypospila Nyssae*, Cke.  
 { *Lophiostoma minus*, Ell.  
 { *Lophidium minus*, Sacc.  
*Lophiostoma subcolapsum*, Ell. & Ev.  
*Peziza nyssaegea*, Ell.  
 { *Sphaeria thuridonta*, C. & E.  
 { *Pleospora thuridonta*, Sacc.  
*Sphaerella nyssaecola*, Cke.  
*Stereum strictum*, Fr.  
**Nyssa**, sp. indet.  
*Agyrium sexdecimsporum*, Fckl.

*Clavaria mucida*, P.  
*Comatricha typhina*, Rostf.  
*Cryptosporium Nyssae*, C. & E.  
*Epicoccum sebum*, Cda.  
*Glonium lineare*, (Fr.) DeNot.  
 { *Hendersonia delicatula*, C. & E.  
 { *Stagonospora delicatula*, Sacc.  
*Hyalopus griseus*, B. & C.  
*Lichenopsis sphaeroboloidea*, S.  
*Merulius Corium*, Fr.  
 { *Oidium megalosporum*, B. & C.  
 { *Monilia megalospora*, Sacc.  
 { *Tremella nucleata*, S.  
 { *Naematelia nucleata*, Fr.  
*Panus alliaceus*, B. & C.  
*Polyporus delectans*, Pk.  
*Radulum orbiculare*, Fr.  
*Radulum spinulosum*, B. & C.  
*Rhizoctonia moniliformis*, Ell. & Ev.  
*Sphaeropsis fibriseda*, C. & E.

## PYRENOMYCETES.

{ *Dothidea geographica*, (DC.) Fr.  
 { *Asteroma geographicum*, Desm.  
 { *Sphaeria Avocetta*, C. & E.  
 { *Ceratostoma Avocetta*, Sacc.  
 { *Sphaeria nyssaecola*, B. & C.  
 { *Ceratostomella nyssaecola*, Sacc.  
 { *Nectria sanguinea*, (Sibth.) Fr.  
 { *Dialonectria sanguinea*, Cke.  
 { *Valsa paulula*, C. & E.  
 { *Diaporthe paulula*, Sacc.  
 { *Diatrypella olivacea*, C. & E.  
 { *Diatrype olivacea*, Cke.  
 { *Diatrype subfulva*, B. & C.  
 { *Diatrypella subfulva*, Sacc.  
 { *Sphaeria segna*, C. & E.  
 { *Didymella segna*, Sacc.  
*Hypocrea lenta*, (Tode) B.  
*Hypoxyylon botryosum*, (Fr.) B.  
*Hypoxyylon cohaerens*, (P.) Fr.  
*Hysterium stictoidenum*, C. & E.  
 { *Sphaeria orthotricha*, B. C.  
 { *Lasiosphaeria orthotricha*, Sacc.  
*Myriococcum Everhartii*, Sacc. & Ell.  
*Nectria Cucurbitula*, (Tode) Fr.  
*Patellaria ligniota*, Fr.  
*Peziza rubella*, P.  
*Phlebia merismoides*, Fr.  
*Phoma nyssaearpa*, Cke.  
*Sphaerella maculiformis*, (P.) Awd.  
*Valsa ambiens*, (P.) Fr.  
*Valsa Nyssae*, Cke.  
*Valsa praestans*, B. & C.  
*Valsa salicina*, (P.) Fr.?  
 { *Valsa apatosa*, C. & E.  
 { *Valsaria apatosa*, Sacc.  
 { *Pseudovalsa apatosa*, Cke.



V. p. 1844  
ADDENDA.

*Magnolia*, sp. indet.

PYRENOMYCETES.

*Cncurbitaria congesta*, C. & E.  
 { *Dothidea Magnoliae*, Cke.  
 { *Homostegia Magnoliae*, Sacc.  
*Dothidea scutula*, B. & C.  
*Hypocrea minima*, Sacc. & Ell.  
*Hypoxylon annulatum*, (S.) Mont., var. b.  
*Hypoxylon tinctor*, (B.) Cke.  
*Lasiosphaeria subvelutina*, Ell. & Ev.  
 ?*Lophodermium exaridum*, C. & P.  
 { *Hysterium foliicolum*, Fr.  
 { *Lophodermium hysterioides*, (P.) Sacc.  
 { *Hysterium maculare*, Fr.  
 { *Lophodermium maculare*, DeNot.  
*Nectria Russellii*, B. & C.  
*Sphaerella granulata*, Cke.  
*Xylaria corniformis*, Fr.  
*Xylaria filiformis*, (A. & S.) Fr.

SPHAEROPSIDAE.

*Diplodia Ravenelii*, Cke.  
 { *Discosia alnea*, (P.) B.  
 { *Discosia nitida*, Lev.  
 { *Phoma atomispora*, Cke.  
 { *Diplodia tephrospora*, M. A. Curtis.  
 { *Sphaeropsis tephrospora*, B. & C.

MELANCONIEAE.

*Melanconium ramulorum*, Cda.  
*Naemaspore rufa*, B. & C.

HYPHOMYCETES.

*Acrothecium obovatum*, C. & E.  
 { *Polyactis curta*, B. & C.  
 { *Botrytis curta*, Sacc.  
*Dendrodochium rubellum*, Sacc., var. *macrosporum*, Sacc.  
*Glenospora Curtissii*, B. & Desm.

*Haplaria chlorina*, Ell. & Ev.  
 { *Helicoma velutinum*, Ell.  
 { *Helicosporium velutinum*, Sacc.  
 { *Illosporium acaroides*, Sacc.  
 { *Volutellaria acaroides*, Sacc.  
 ?*Illosporium Pezizula*, Ell. & Sacc.  
*Menispora glauconigra*, C. & E.  
*Ovularia monilioides*, Ell. & Martin.  
*Penicillium glaucum*, Lk.  
*Penicillium repens*, C. & E.  
*Polyseptatum sericeum*, Sacc.  
*Stachylium fuscum*, C. & E.  
*Verticillium candelabrum*, Bon.  
*Virgaria globiger*, Sacc. & Ell.  
*Zygodesmus laevisporus*, Cke.  
*Zygodesmus pannosus*, B. & C.

DISCOMYCETES.

*Chlorosplenium aeruginosum*, (P.) DeNot.  
*Dermatea Magnoliae*, B. & C.  
*Peziza diaphanula*, Cke.  
*Peziza fumigata*, Ell. & Ev.  
*Peziza Glenospora*, Ell. & Ev.  
*Peziza gracilipes*, Cke.  
*Peziza incondita*, Ell.  
*Peziza phlegmacea*, Ell.

HYMENOMYCETES.

*Agaricus (Collybia) conigenoides*, Ell.  
*Corticium laeve*, Fr.  
*Hymenochaete corticolor*, B. & Rav.  
*Hypochnus rubrocinctus*, Ehr.  
*Irpea sinuosus*, Fr.  
*Kneiffia setigera*, Fr.  
*Polyporus adustus*, Fr.  
*Polyporus cinnabarinus*, Fr.  
*Polyporus hemileucus*, B. & C.  
*Polyporus spumeus*, Fr.  
*Polyporus velutinus*, Fr.

ERRATA.

Page 1, left, 13th line from bottom, for *Peronspora* read *Peronospora*.  
 " 1, right, bottom line, for *Leptostroma* read *Leptostromia*.  
 " 3, right, 24th line from bottom, for *panciseptata* read *pauciseptata*.  
 " 5, left, bottom line, for *melalencum* read *melaleucum*.  
 " 9, right, 24th line from top, for *S.* read *Auct. Amer.*  
 " 11, left, 15th line from bottom, for *citispora* read *citrispora*.  
 " 11, right, 24th and 25th lines from top, for *Stemonites* read *Stemonitis*.  
 " 15, right, 25th line from bottom, for *Spharonema* read *Sphaeronema*.  
 " 16, left, 26th line from top, for *Peronspora* read *Peronospora*.  
 " 17, left, 27th line from bottom, for *Rehm* read *Sacc.*  
 " 19, left, 32d line from bottom, for *Rehm* read *Sacc.*  
 " 33, right, 14th line from top, for *geographica* read *geographicum*.  
 " 34, left, 18th line from top, for *P.* read *S.*  
 " 34, right, 14th line from top, for *Rehm* read *Sacc.*



# A PROVISIONAL HOST-INDEX

OF THE

# FUNGI OF THE UNITED STATES

BY

W. G. FARLOW AND A. B. SEYMOUR

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PART II.

GAMOPETALAE—APETALAE

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CAMBRIDGE, SEPTEMBER, 1890.



Although it was originally intended that the second part of the Host Index should include everything after Polypetalae, it has seemed best to issue a second part including only Gamopetalae and Apetalae as those divisions cover an unexpectedly large number of pages. The remainder of the work will appear in November and the authors request that botanists having errors or omissions to report in the parts already issued would kindly inform them regarding such errors and omissions at an early date in order that the corrections and additions may be inserted in the forthcoming third part. It should be borne in mind that *unpublished* hosts are not included in the present Index. Also that in the case of some very common fungi occurring on many different hosts it has not been found practicable to include all known hosts unless the species are of economical interest. Since most Myxomycetes can hardly be said to be parasitic on particular species of Phaeogams, in the present part, the Myxomycetes have, as a rule, been omitted except where their rarity or some special peculiarity warranted referring to them in connection with certain hosts.

W. G. FARLOW.

*Cambridge, Mass.*



## GAMOPETALAE.

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### CAPRIFOLIACEAE.

#### *Adoxa Moschatellina*, L.

Aecidium albescens, Grev.  
Synchytrium anomalum, Schrt.

#### *Diervilla trifida*, Moench.

{ *Hysterium rimicolum*, S.  
{ *Dothidea rimicola*, Pk.  
Radulum? investiens, S.  
Ramularia Diervillae, Pk.  
{ *Septoria Diervillae*, Ell. & Ev.  
{ *Septoria Diervillae*, Pk.  
{ *Septoria diervillicola*, Berl. & Vogl.  
Tympanis turbinata, S.

#### *Linnaea borealis*, Gronov.

{ *Dothidea Wittrockii*, Erikss.  
{ *Phyllachora Wittrockii*, Sacc.  
Sphaerella minor, Karst.  
Venturia Dickiei, (B. & Br.) Ces. & DeNot.

#### *Lonicera Caprifolium*, L.

Diplodia Lonicerae, Fckl.  
Hormococcus nitidulus, Sacc.

#### *Lonicera ciliata*, Muhl.

Glomerularia Corni, Pk.  
Phyllosticta Lonicerae, Desm.

#### *Lonicera conjugalis*, Kellogg.

{ *Marsonia Lonicerae*, Hark.  
{ *Gloeosporium Lonicerae*, Ell. & Ev.

#### *Lonicera t lava*, Sims.

Aecidium Periclymeni, Schum.  
Cercospora antipus, Ell. & Holw.  
Hendersonia Mariae, Clinton.  
Hendersonia Peckii, Clinton.  
{ *Microsphaera pulchra*, C. & P.  
{ *Microsphaera Alni*, (DC.) Wint.  
Phoma Mariae, Clinton.  
{ *Sphaeropsis Wilsoni*, Clinton.  
{ *Sphaeropsis puncta*, C. & E.

#### *Lonicera glauca*, Hill.

{ *Microsphaera pulchra*, C. & E.  
{ *Microsphaera Alni*, (DC.) Wint.

Microsphaera Dubyi, Lev.

#### *Lonicera hirsuta*, Eaton.

Microsphaera Dubyi, Lev.

#### *Lonicera hispidula*, Dougl.

Lasiobotrys affinis, Hark.

Phoma Xylostei, Cke. & Hark.

{ *Pleospora vitrispora*, Cke. & Hark.  
{ *Peltosphaeria vitrispora*, Berlese.

#### *Lonicera involucrata*, Banks.

Diaporthe cryptica, Nits.

Eutypa lata, (P.) Tul.

{ *Hysterium Lonicerae*, Phil. & Hark.  
{ *Gloniopsis Lonicerae*, Berl. & Vogl.

Libertella Lonicerae, Cke. & Hark.

{ *Sphaeria anisometra*, Cke. & Hark.  
{ *Metasphaeria anisometra*, Sacc.

#### *Lonicera Japonica*, Thunb.

Diatrypella ramularis, Ell. & Ev.

#### *Lonicera sempervirens*, L.

Dothidea Lonicerae, Cke.

{ *Microsphaera penicillata*, Lev.  
{ *Microsphaera Alni*, (DC.) Wint.

Sphaeria Lonicerae, Sow.

{ *Sphaeria umbilicata*, P.  
{ *Valsa umbilicata*, Fr.

#### *Lonicera Sullivantii*, Gray.

Aecidium Periclymeni, Schum.

#### *Lonicera Tartarica*, L.

Phoma Mariae, Clinton.

#### *Lonicera*, sp. indet.

Diatrypella pustulata, Ell. & Ev.

{ *Diplodia quisquiliarum*, B. & C.  
{ *Diplodia paupercula*, B. & Br.

Dothidea ribesina, (P.) Fr.

Dothidea tetraspora, B. & Br.

Hypocrea subcarnea, Ell. & Ev.

Lasiobotrys Lonicerae, Kze.

Lichenopsis sphaeroboloidea, S.

{ *Sphaeria aulica*, C & E.  
{ *Metasphaeria aulica*, Sacc.

{ *Pestalozzia concentrica*, B. & Rav.

{ *Pestalozzia rostrata*, Zabriskie.

Peziza atrata, P.

Phoma Lonicerae, Cke.

{ *Sphaeria erratica*, C. & E.

{ *Physalospora erratica*, Sacc.

{ *Pleospora vitrispora*, Cke. & Hark.

{ *Peltosphaeria vitrispora*, Berlese.

Phyllosticta vulgaris, Desm.

{ *Septoria decipiens*, B. & C.

{ *Rhabdospora decipiens* Sacc.

{ *Cryptosporium Lonicerae*, C. & E.  
 { *Rhabdospora Lonicerae*, Sacc.  
*Sphaeria (Leptosphaeria) dumetorum*,  
 (Niessl) C. & E.  
*Sphaeria saepincola*, Fr.  
*Stictis annulata*, Cke. & Phil.  
***Sambucus Canadensis*, L.**  
 { *Aecidium Sambuci*, S.  
 { *Caeoma (Aecidium) sambuciatum*, S.  
 { *Cercospora depazeoides*, (Desm.) Sacc.  
 { *Cercospora sambucina*, Ell. & Kell.  
*Cercospora lateritia*, Ell. & Halsted.  
 { *Corticium Sambuci*, P.  
 { *Hypochnus Sambuci*, Sacc. Syll.  
 { *Sphaeria sambucivora*, S.  
 { *Diatrype sambucivora*, Cke.  
*Dinemasporium Pezizula*, B.  
*Diplodia paupercula*, B. & Br.  
 { *Sphaeria Sambuci*, P.  
 { *Dothidea Sambuci*, Fr.  
 { *Hendersonia microspora*, B. & C.  
 { *Stagonospora microspora*, Sacc.  
 { *Hysterium commune*, Fr.  
 { *Hypoderma commune*, Duby.  
*Hysterium Sambuci*, Schum.  
*Melanconium truncatum*, S.  
 { *Microsphaera Hedwigii*, Lev.  
 { *Microsphaera Van Bruntiana*, Gerard.  
 { *Microsphaera Alni*, (DC.) Wint.  
*Microsphaera Grossulariae*, Lev.  
*Ramularia sambucina*, Pk.  
*Septoria sambucina*, Pk.  
 { *Sphaeropsis macrospora*, B. & C.  
 { *Dothiorella macrospora*, Sacc.  
*Sphaeropsis Sambuci*, Pk.  
*Sphaerulina sambucina*, Pk.  
*Tubercularia nigricans*, (Bull.) DC.  
*Valsa pulviniceps*, Pk.  
***Sambucus glauca*, Nutt.**  
*Hendersonia diplodioides*, Ell. & Ev.  
*Ophiobolus byssicola*, Hark.  
*Phoma Asteriscus*, B.  
*Phoma sambucina*, Cke.  
*Rosellinia (Coniochaeta) rhyncospora*, Hark.  
***Sambucus nigra*, L.**  
*Cercospora depazeoides*, (Desm.) Sacc.  
 { *Macroplodia sambucina*, Cke.  
 { *Sphaeropsis sambucina*, Sacc.  
***Sambucus racemosa*, L.**  
*Cercospora lateritia*, Ell. & Halsted.  
*Dinemasporium Pezizula*, B.  
*Excipula strigosa*, Fr.  
*Exidia recisa*, Fr.  
 { *Hendersonia Sambuci*, Pk.  
 { *Hendersonia pubens*, Cke.  
*Irpea tabacinus*, B. & C.  
*Lophiostoma congregatum*, Hark.  
*Nectria cinnabarina*, (Tode) Fr.  
*Rosellinia ambigua*, Sacc.  
*Septoria sambucina*, Pk.  
*Sphaeria distincta*, S.  
***Sambucus*, sp. indet.**  
*Cenangium acutum*, (Schum.) Fr.  
 ?*Ceratosphaeria microdoma*, Ell. & Ev.  
 { *Sphaeria corata*, Tode.  
 { *Chaetomium comatum*, Fr.  
*Clasterosporium strepsiceras*, (Ces.) Sacc.  
*Corticium sulfureum*, Fr., var. *ochroideum*,  
 Hark. & Moore.  
*Cystotricha stenospora*, B. & C.  
 { *Sphaeria spiculosa*, A. & S.  
 { *Diaporthe spiculosa*, Nits.  
 { *Sphaeria epidermidis*, Fr.  
 { *Didymosphaeria epidermidis*, Fckl.  
 { *Peziza hispidula*, Schrad.  
 { *Dinemasporium hispidulum*, M. A. Curtis.  
*Diplodia sambucina*, Sacc.  
 { *Valsa stellulata*, Fr.  
 { *Eutypella stellulata*, Sacc.  
 { *Sphaeria pulicaris*, Fr.  
 { *Gibberella pulicaris*, Sacc.  
 ?{ *Hendersonia caespitosa*, B. & C.  
 { *Stagonospora caespitosa*, Sacc.  
 { *Sphaeria gelatinosa*, Tode.  
 { *Hypocrea gelatinosa*, Fr.  
 { *Sphaeria diminuens*, P.  
 { *Lophidium diminuens*, Ces. & DeNot.  
*Nectria cinnabarina*, (Tode) Fr.  
*Nectria ochraceopallida*, B. & Br.  
*Peziza fusca*, P.  
*Phoma exigua*, Desm.  
*Phyllosticta Sambuci*, Desm.  
 { *Sphaeria Sambuci*, Plow.  
 { *Pleospora Sambuci*, Sacc.  
 { *Septoria maculans*, B. & C.  
 { *Rhabdospora maculans*, Sacc.  
*Sphaeria clandestina*, Fr.  
*Sphaeria floccosa*, Fr.  
 { *Sphaeria myriocarpa*, Fr.  
 { *Psilosphaeria myriocarpa*, Hark.  
*Sphaeria paetula*, Fr.  
*Sphaeria surculi*, Fr.  
 { *Sphaeronomia Sambuci*, B. & C.  
 { *Dendrophoma Sambuci*, Sacc.  
*Sphaeropsis mutica*, B. & Br.  
? *Sphaeropsis Pennsylvanica*, B. & C.  
*Stereum purpureum*, P.  
 { *Sphaeria abnormis*, Fr.  
 { *Valsa abnormis*, Fr.  
 { *Valsa sambucina*, Pk.  
 { *Pseudovalsa sambucina*, Sacc.  
***Symporicarpus mollis*, Nutt.**  
*Gloniopsis Mülleri*, (Duby) Sacc.  
*Puccinia Symporicarpi*, Hark.

*Symporicarpus occidentalis*, Hook.

Aecidium abundans, Pk.

*Symporicarpus oreophilus*, Gray.

Aecidium abundans, Pk.

*Symporicarpus racemosus*, Michx.

Aecidium abundans, Pk.

Anthostomella perfidiosa, (DeNot.) Sacc.

Diplodia Symphoricarpi, Sacc.

Diplodia Thorniana, Gerard.

Microsphaera Symphoricarpi, Howe.

Phyllosticta Symphoricarpi, Westd.

Septoria Symphoricarpi, Ell. &amp; Ev.

Sphaeria (Anthostoma?) gigaspora, Cke. &amp; Hark.

Thyridium cingulatum, (Mont.) Sacc.

*Symporicarpus vulgaris*, Michx.

Aecidium abundans, Pk.

Corticium incarnatum, (P.) Fr., forma consueta, Bresadola.

Microsphaera Symphoricarpi, Howe.

*Symporicarpus*, sp. indet.

Microthyrium microscopicum, Desm.

*Triosteum perfoliatum*, L.

Cladosporium Triostei, Pk.

*Viburnum acerifolium*, L.

Cercospora varia, Pk.

{ Microsphaera penicillata, Lev.

{ Microsphaera Viburni, (S.) Howe.

{ Microsphaera Alni, (DC.) Wint.

*Viburnum dentatum*, L.

Dothidea Viburni-dentati, S.

Hypoxylon notatum, B. &amp; C.

{ Sphaeropsis hyalina, B. &amp; C.

{ Phoma hyalina, Sacc.

{ Macrophoma hyalina, Berl. &amp; Vogl.

{ Massaria gigaspora, (Desm.) B.

{ Massaria Corni, (Fr. &amp; Mont.) Sacc.

{ Microsphaera sparsa, Howe.

{ Microsphaera Viburni, (S.) Howe.

{ Microsphaera Alni, (DC.) Wint.

{ Sphaeria punicea, Schm.

{ Nectria punicea, Fr.

Sphaeria inclinata, S.

{ Sphaeria subconcava, S.

{ Nummularia subconcava, Ell. &amp; Ev.

Tympanis fasciculata, S.

Valsa mesoleuca, B. &amp; C.

Valsa salicina, (P.) Fr.

*Viburnum lantanoides*, Michx.

{ Peziza Viburni, S.

{ Cenangium Viburni, Fr.

{ Dermatea minuta, Pk.

{ Pezicula minuta, Pk.

Phyllosticta lantanoides, Pk.

Sphaerographium lantanoides, Pk.

*Viburnum Lentago*, L.

Cercospora varia, Pk.

Coleosporium Viburni, Arthur.

{ Cryptospora Lentiginis, Rehm.

{ Valsa Lentiginis, Ell. &amp; Ev.

Hendersonia Viburni, Ell.

{ Massaria gigaspora, (Desm.) B.

{ Massaria Corni, (Fr. &amp; Mont.) Sacc.

{ Microsphaera Hedwigii, Lev.

{ Microsphaera penicillata, Lev.

{ Microsphaera sparsa, Howe.

{ Microsphaera Viburni, (S.) Howe.

{ Microsphaera Alni, (DC.) Wint.

Peziza Lentiginis, S.

Tympanis fasciculata, S.

Valsa ceratophora, Tul.

*Viburnum nudum*, L.

{ Sphaeronema hystricinum, Ell.

{ Sphaerographium hystricinum, Sacc.

*Viburnum Opulus*, L.

Botryosphaeria Viburni, Cke.

Diplodia microspora, B. &amp; C.

{ Hysterium variegatum, B. &amp; C.

{ Hypoderma variegatum, Duby.

Phoma mixtum, B. &amp; C.

Pistillaria elegans, B. &amp; C.

{ Septoria interrupta, B. &amp; C.

{ Rhabdospora interrupta, Sacc.

Stictis glaucoma, B. &amp; C.

Stictis pupula, Fr.

*Viburnum pauciflorum*, Pylaie.

{ Puccinia Linkii, Klotzsch.

{ Puccinia Pringlei, Pk.

*Viburnum plicatum*, Thunb.

Cercospora tinea, Sacc.

*Viburnum prunifolium*, L.

{ Sphaeria friabilis, P.

{ Diatrype friabilis, M. A. Curtis.

{ Sphaeria Viburni, S.

{ Eutypa Viburni, Herb. Berk.

Hendersonia foliorum, Fckl., var. Viburni, Sacc.

{ Massaria gigaspora, (Desm.) B.

{ Massaria Corni, (Fr. &amp; Mont.) Sacc.

{ Erysiphe Viburni, S.

{ Microsphaera Alni, (DC.) Wint.

Pestalozzia Jefferisii, Ell.

Polyporus conchatus, (P.) Fr.

Radulum molare, Fr.

Trametes sepium, B.

Tympanis turbinata, S.

{ Sphaeria flabelliformis, S.

{ Xylaria flabelliformis, Tul.

*Viburnum pubescens*, Pursh.

Microsphaera Alni, (DC.) Wint.

*Viburnum Tinus*, L.

Leptosphaeria Tini, Ell. &amp; Ev.

*Viburnum*, sp. indet.

Cenangium Viburni, Fr.

Corticium cinereum, Fr.

{ Sphaeria secreta, C. &amp; E.

{ Cryptosphaeria secreta, Sacc.

Dermatea carnea, C. & E.  
 { Dermatea purpurea, Ell.  
 { Dermatea viburnicola, Ell.  
 ? { Helmuthosporium dubium, B. & C.  
 { Helmuthosporium Berkeleyi, Cke.  
 { Helmuthosporium Beaumontii, Sacc.  
 { Hydnus plumarium, B. & C.  
 { Hydnus conchiforme, Sacc.  
 { Dothidea frigoris, S.  
 { Phyllachora frigoris, Sacc.  
 { Dothidea subcuticularis, S.  
 { Phyllachora subcuticularis, Sacc.  
 { Asteroma sp? Cke.  
 Sphaeria elliptica, S.

## RUBIACEAE.

*Cephalanthus occidentalis*, L.  
 Aecidium Cephalanthi, Seymour.  
 Ascochyta Cephalanthi, Ell. & Ev.  
 { Peziza Cephalanthi, S.  
 { Cenangium Cephalanthi, Fr.  
 Cercospora Cephalanthi, Ell. & Kell.  
 Dendrophoma Cephalanthi, Pk.  
 { Sphaeria Cephalanthi, S.  
 { Diatrype Cephalanthi, B.  
 { Diatrypella Cephalanthi, Sacc.  
 Epicoccum maculatum, Cke.  
 Lophiostoma prominens, Pk.  
 Microsphaera semitosta, B. & C.  
 Septoria Cephalanthi, Ell. & Kell.  
 { Septoria verrucaeformis, B. & C.  
 { Rhabdospora verruciformis, Sacc.  
 Sphaerella maculiformis, (P.) Awd.  
 Valsa ceratophora, Tul.  
*Cinchona*, sp. indet.  
 Cercospora Cinchonae, Ell. & Ev.  
*Diodia teres*, Walt.  
 Aecidium Diodiae, Burrill.  
 Cercospora Diodeae, Cke.  
 { Puccinia Spermacoces, S.  
 { Caeoma Spermacoces, Lk.  
 { Caeoma (Uredo) Spermacoces, S.  
 { Uredo Spermacoces, Rav.  
 { Uromyces Spermacoces, M. A. Curtis.

*Galium Aparine*, L.  
 Cercospora Galii, Ell. & Holw.  
 Erysiphe Cichoracearum, DC.  
 Leptostroma clandestinum, S.  
 Mazzantia Galii, (Fr.) Mont.  
 Peronospora calotheca, D By.  
 { Puccinia Galii, S.  
 { Puccinia Galiorum, Lk.  
 { Puccinia Galii, (P.) Wint.  
 Vermicularia scandentium, S.  
*Galium asprellum*, Michx.  
 { Puccinia Galiorum, Lk.  
 { Puccinia Galii, (P.) Wint.

*Galium boreale*, L.  
 Peronospora calotheca, D By.  
 Peziza nigratella, Phil. & Hark.  
 Phoma ellipticum, Pk.  
 { Puccinia Galiorum, Auct. Am. pp.  
 { Puccinia rubefaciens, Johans.  
*Galium Californicum*, Hook & Arn.  
 Puccinia Valantiae, P.  
*Galium concinnum*, Torr. & Gr.  
 Aecidium Galii, P.  
 { Puccinia Galiorum, Lk.  
 { Puccinia Galii, (P.) Wint.  
*Galium Nuttallii*, Gray.  
 Puccinia Valantiae, P.  
*Galium pilosum*, Ait.  
 Cercospora Galii, Ell. & Holw.  
 Puccinia Galii, S.  
 Septoria psilotega, Ell. & Martin.  
*Galium trifidum*, L.  
 Phacidium brunneolum, Pk.  
 Puccinia Galiorum, Lk.  
*Galium triflorum*, Michx.  
 { Nectria Galii, Plow. & Hark.  
 { Dialonectria Galii, Cke.  
 Peronospora calotheca, D By.  
 { Puccinia Galiorum, Lk.  
 { Puccinia Galii, (P.) Wint.  
*Galium*, sp. indet.  
 { Hendersonia Galiorum, Cke. & Hark.  
 { Camarosporium Galiorum, Sacc.  
 Dacryomyces epiphyllus, S.  
 Erysiphe communis, (Wallr.) Schlr.  
 { Septoria Galii, Ell.  
 { Septoria Galiorum, Ell.  
 { Xyloma herbarum, A. & S.  
 { Phacidium repandum, Fr.  
*Gardenia florida* L.  
 Sphaerella Gardeniae, Cke.  
*Houstonia caerulea*, L.  
*Houstonia purpurea*, L.  
 Caeoma (Aecidium) houstoniatum, S.  
*Mitchella repens*, L.  
 Meliola Mitchellae, Cke.  
*Psychotria rufescens*, Spr.  
 Pestalozzia maura, Ell. & Ev.  
*Spermacoce glabra*, Michx.  
 Puccinia lateritia, B. & C.  
 { ?Uromyces Spermacoces, M. A. Curtis.  
 { Puccinia Spermacoces, B. & C.

## VALERIANACEAE.

*Valeriana capitata*, Pall.  
 { Excipula conglutinata, Ell. & Ev.  
 { Excipulina conglutinata, Sacc.  
*Valeriana edulis*, Nutt.  
 Aecidium Valerianearum, Duby.

## DIPSACEAE.

*Dipsacus sylvestris*, Mill.

Cercospora elongata, Pk.

Phoma oleracea, Sacc., var. *Dipsaci*, Sacc.*Dipsacus*, sp. indet.

Sphaerella asterinoides, Ell. &amp; Ev.

## COMPOSITAE.

*Tubuliflorae*.*Achillea Millefolium*, L.{ *Dichomera Compositarum*, Cke. & Hark.  
{ *Camarosporium Compositarum*, Sacc.Oidium *erysiphoides*, Fr.*Actinella acaulis*, Nutt.

Pleospora herbarum, (P.) Rabh.

{ *Puccinia variolans*, Hark.  
{ *Puccinia Tanaci*.var. *Actinellae*, Webber.*Actinomeris squarrosa*, Nutt.

Cercospora anomala, Ell. &amp; Halsted.

{ *Erysiphe Cichoracearum*, DC.{ *Erysiphe lamprocarpa*, Lev. p. p.*Ambrosia artemisiaefolia*, L.{ *Cystopus cubicus*, (Strauss) Lev.  
{ *Cystopus Tragopogonis*, (P.) Schrt.

Entyloma Compositarum, Farl.

{ *Erysiphe Cichoracearum*, DC.{ *Erysiphe lamprocarpa*, Lev. p. p.Oidium *Ambrosiae*, Thüm.{ *Peronospora Halstedii*, Farl.{ *Plasmopara Halstedii*, Berl. & De Toni.{ *Dothidea Ambrosiae*, B. & C.{ *Phyllachora Ambrosiae*, Sacc.Puccinia *Xanthii*, S., var. *Ambrosiae*, B. & Rav.*Ambrosia psilostachya*, DC.Cystopus *Tragopogonis*, (P.) Schrt.

Entyloma Compositarum, Farl.

Erysiphe Cichoracearum, DC.

Plasmopara Halstedii, (Farl.) Berl. &amp; De Toni.

Puccinia *Xanthii*, S., var. *Ambrosiae*, B. & Rav.*Ambrosia trifida*, L.

Aecidium Compositarum, Mart.

Botrytis tephroidea, Sacc. &amp; Ell.

Cercospora ferruginea, Fckl.

Cercospora racemosa, Ell. &amp; Martin.

Cystopus *Tragopogonis*, (P.) Schrt.Diaporthe *Arctii*, (Lasch) Nits.

Diatrypella herbacea, Ell. &amp; Ev.

Didymella prominens, Ell. &amp; Ev.

Entyloma Compositarum, Farl.

{ *Protomyces polysporus*, Pk.  
{ *Entyloma polysporum*, Farl.{ *Erysiphe Cichoracearum*, DC.{ *Erysiphe Ambrosiae*, S.{ *Erysiphe lamprocarpa*, Lev. p. p.{ *Sphaeria fulgida*, C. & P.{ *Ophiobolus fulgidus*, Sacc.{ *Peronospora Halstedii*, Farl.{ *Plasmopara Halstedii*, Berl. & De Toni.{ *Peziza atrata*, P.{ *Pyrenopeziza atrata*, Fckl.{ *Mollisia atrata*, Karst.

Phlyctaena arcuata, B.

? *Protomyces macrosporus*, Ung.Puccinia *Xanthii*, S., var. *Ambrosiae*, B. & Rav.

Septoria bacilligera, Wint.

Vermicularia Dematium, (P.) Fr.

*Ambrosia*, sp. indet.

Leptostroma vulgare, Fr.

{ *Sphaeria Glomus*, B. & C.{ *Ophiobolus?* *Glomus*, Sacc.{ *Raphidospora Glomus*, Cke.{ *Sphaeria Anethi*, P.{ *Phoma Anethi*, Sacc.

Puccinia bullata, S.

{ *Sphaeria nigrella*, Fr.{ *Didymella?* *nigrella*, Sacc.*Antennaria alpina*, Gaertn.

Septoria cercosperma, Rostrup.

Sphaerella confinis, Karst.

*Antennaria plantaginifolia*, Hook.Phyllosticta *Antennariae*, Ell. & Ev.*Aplopappus Bloomeri*, Gray.

Lamproderma robustum, Ell. &amp; Ev.

*Aplopappus ericoides*, Hook. & Arn.

Tremella moriformis, B.

*Aplopappus integrifolius*, T. C. Porter.

Pleospora herbarum, (P.) Rabh.

*Aplopappus spinulosus*, DC.

Puccinia variolans, Hark.

*Arctium Lappa*, L.? { *Sphaeria eriophora*, Cke.

Leptosphaeria eriophora, Sacc.

Phyllosticta *Lappae*, Sacc.Septoria *Lapparum*, Sacc.Vermicularia *Arctii*, S.Verticillium *lateritium*, (Ehrh.) Rabh.*Arnica alpina*, Olin.

Pleospora herbarum, (P.) Rabh.

*Arnica cordifolia*, Hook.Puccinia *Arnicalis*, Pk.*Arnica foliosa*, Nutt.Puccinia *nuda*, Ell. & Ev.

*Artemisia Abrotanum*, L.

- { Sphaeria Artemisiae, S.
- { Dothidea Artemisiae, B.
- { Nummularia Artemisiae, Sacc.

*Artemisia Absinthium*, L.

- { Helminthosporium Absinthii, Pk.
- { Cercospora Absinthii, Sacc.

Nidularia fascicularis, S.

*Artemisia biennis*, Willd.

- Cystopus cubicus, (Strauss) Lev.
- Peronospora leptosperma, DBy.

*Artemisia borealis*, Pall.

- { Sphaeria herbarum, P.
- { Pleospora herbarum, Rabh.

Pleospora vulgaris, Niessl.

Septoria cercosperma, Rostrup.

*Artemisia California*, Less.

- { Sphaeria tuberculiformis, Ell.
- { Plowrightia tuberculiformis, Sacc.

{ Puccinia Tanaceti, DC.

{ Puccinia Artemisiarum, Schm. &amp; Kze.

Sphaeria (Montagnella) tumefaciens, Ell. &amp; Hark.

*Artemisia cana*, Pursh.

- Leptosphaeria Artemisiae, (Fckl.) Awd.
- Puccinia Tanaceti, DC.

*Artemisia Canadensis*, Michx.

Puccinia Tanaceti, DC.

*Artemisia discolor*, Dougl.

- Aecidium Compositarum, Mart.
- Erysiphe Cichoracearum, DC.

*Artemisia dracunculoides*, Pursh.

- Aecidium Compositarum, Mart.
- Erysiphe Cichoracearum, DC.

Erysiphe Linkii, Lev.

Puccinia Tanaceti, DC.

*Artemisia frigida*, Willd.

Puccinia Tanaceti, DC.

*Artemisia Ludoviciana*, Nutt.

Aecidium Compositarum, Mart.

Erysiphe Cichoracearum, DC.

Erysiphe Linkii, Lev.

Peronospora Halstedii, Farl.

Peronospora leptosperma, DBy.

{ Puccinia Tanaceti, DC.

{ Puccinia Artemisiarum, Schm. &amp; Kze.

{ Chaetomella (?) perforata, Ell. &amp; Ev.

{ Venturia occidentalis, Ell. &amp; Ev.

Septoria Artemisiae. Pass.

*Artemisia pycnocephala*, DC.

Diplodia herbarum, (Cda.) Lev.

Gibberella Saubinetii, (Mont.) Sacc.

Puccinia Artemisiarum, Schm. &amp; Kze.

*Artemisia serrata*, Nutt.

Erysiphe Linkii, Lev.

Peronospora leptosperma, DBy.

*Artemisia scopulorum*, Gray.

- { Sphaeropsis Raui, Pk.
- { Phoma Raui, Sacc.
- { Macrophoma Raui, Berl. & Vogl.

*Artemisia tridentata*, Nutt.

Puccinia Tanaceti, DC.

Sporidesmium macrosporoides, Ell. &amp; Gall.

*Artemisia vulgaris*, L.

- { Sphaeria orthoceras, Fr.
- { Diaporthe orthoceras, Nits.
- { Sphaeropsis opaca, C. & E.
- { Haplosporella opaca, Sacc.

Phoma herbarum, Westd.

Septoria fusca, Pk.

*Artemisia*, sp. indet.

- Aecidium Compositarum, Mart., var. Artemisiae, C. & E.

Alternaria hispidula, Ell.

- { Dichomera Compositarum, Cke. & Hark.
- { Camarosporium Compositarum, Sacc.

Cucurbitaria solitaris, Ell.

Cucurbitaria umbilicata, Ell.

Fusarium roseum, Lk.

- { Cucurbitaria occidentalis, Ell.
- { Melanomma occidentalis, Sacc.

{ Sphaeria sulcata, Ell.

- { Melanomma sulcatum, Berl. & Vogl.
- { Peziza Artemisiae, Lasch.

- { Pyrenopeziza Artemisiae, Sacc.
- { Sphaeria ovalis, Ell.

{ Rosellinia ovalis, Sacc.

- { Sporidesmium herbarum, Cke.
- { Sirodesmium herbarum, Sacc.

Sphaeria aculeata, S., var. artemisiaecola, S.

Stictis decipiens, (Karst.) Cke.

Tubercularia herbarum, Fr.

*Aster acuminatus*, Michx.

- { Puccinia Asteris, Duby, var. purpurascens, C. & P.
- { Puccinia purpurascens, C. & P.

*Aster adscendens*, Lindl.

Erysiphe Cichoracearum, DC.

*Aster azureus*, Lindl.

Puccinia Asteris, Duby.

*Aster canescens*, Pursh.

Erysiphe Cichoracearum, DC.

*Aster commutatus*, Gray

Erysiphe Cichoracearum, DC.

Erysiphe communis, (Wallr.) Schl.

Puccinia Asteris, Duby.

*Aster conspicuus*, Lindl.

Coleosporium Sonchi-arvensis, (P.) Lev.

Erysiphe Cichoracearum, DC.

Puccinia Asteris, Duby.

*Aster cordifolius*, L.

Caeoma (Accidium) asteratum, S.

{ Uredo Solidaginis, S.

{ Coleosporium Sonchi-arvensis, (P.) Lev.

Erysiphe Cichoracearum, DC.  
 Puccinia Asteris, Duby.  
 Septoria astericola, Ell. & Ev.  
 Septoria atropurpurea, Pk.

**Aster corymbosus**, Ait.  
 Coleosporium Sonchi-arvensis, (P.) Lev.  
 Erysiphe Cichoracearum, DC.  
 Puccinia Asteris Duby.

**Aster diffusus**, Ait.  
 Erysiphe Cichoracearum, DC.

**Aster Drummondii**, Lindl.  
 Coleosporium Sonchi-arvensis, (P.) Lev.

**Aster ericoides**, L.  
 Coleosporium Sonchi, Lev.  
 Erysiphe Cichoracearum, DC.

**Aster foliaceus**, Lindl., var. *Eatoni*, Gray.  
 Erysiphe Cichoracearum, DC.

**Aster junceus**, Ait.  
 Erysiphe Cichoracearum, DC.

**Aster laevis**, L.  
 Aecidium Compositarum, Mart.  
 Coleosporium Sonchi, Lev.  
 { Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.

**Aster Lindleyanus**, Torr. & Gr.  
 Aecidium Compositarum, Mart.

**Aster longifolius**, Lam.  
 Erysiphe Cichoracearum, DC.

**Aster macrophyllus**, L.  
 { Coleosporium Sonchi, Lev.  
 { Coleosporium Sonchi-arvensis, (P.) Lev.

Erysiphe Cichoracearum, DC.  
 { Puccinia Asteris, Duby.  
 { Puccinia Gerardii, Pk.  
 { Puccinia Asteris, Duby, var. purpurascens  
     C. & P.  
 { Puccinia purpurascens, C. & P.  
 Septoria atropurpurea, Pk.

**Aster multiflorus**, Ait.  
 Erysiphe Cichoracearum, DC.

**Aster Novae-Angliae**, L.  
 { Peronospora entospora, (Roze & Cornu)  
     B. & Br.  
 { Peronospora simplex, Pk.  
 { Plasmopara entospora, Schrt.

Puccinia Asteris, Duby.  
 { Ramularia macrospora, Fres., var. *Senecionis*, Trelease.  
 { Ramularia macrospora, Fres., var. *Asteris*, Sacc.

Septoria atropurpurea, Pk.

**Aster oblongifolius**, Nutt.  
 { Aecidium Asterum, S.  
 { Aecidium Verbesinæ, S.  
 { Aecidium Solidaginis, S.  
 { Caeoma (Aecidium) asteratum, Lk.  
 { Uredo Asterum, Spreng.  
 { Aecidium Compositarum, Mart., forma *Asteris*, Wint.

{ Erysiphe Cichoracearum, DC.  
 { Erysiphe Asterum, S.

**Aster paniculatus**, Lam.  
 Cacoma (Aecidium) asteratum, S.  
 { Puccinia Asteris, Duby.  
 { Puccinia Gerardii, Pk.

**Aster ptarmicoides**, Torr. & Gr.  
 Phoma Iowana, Sacc.

**Aster puniceus**, L.  
 Entyloma Compositarum, Farl.  
 { Peziza assimilis, C. & P.  
 { Orbilia assimilis, Sacc.

Phoma Iowana, Sacc.  
 Ramularia filaris, Fres.  
 Septoria Punicei, Pk.

**Aster sagittifolius**, Willd.  
 { Aecidium Asterum, S.  
 { Aecidium Compositarum, Mart., forma  
     *Asteris*, Wint.

{ Coleosporium Sonchi, Lev.  
 { Coleosporium Sonchi-arvensis, (P.) Lev.

Erysiphe Cichoracearum, DC.  
 Puccinia Asteris, Duby.

**Aster sericeus**, Vent.  
 Aecidium Compositarum, Mart.

**Aster Shortii**, Hook.  
 Puccinia Asteris, Duby.

**Aster Tradescanti**, L.  
 Puccinia Asteris, Duby.  
 { Xyloma Asteris, S.  
 { Rhytisma Asteris, S.

**Aster umbellatus**, Mill.  
 Coleosporium Sonchi-arvensis, (P.) Lev.  
 { Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.

**Aster vimineus**, Lam., var. *foliolosus*, Gray.  
 { Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.  
 Puccinia Asteris, Duby.

**Aster**, sp. indet.  
 Diaporthe mucronulata, Sacc.  
 { Sphaeria orthoceras, Fr.  
 { Diaporthe orthoceras, Nits.  
 { Dothidea Haydeni, B. & C.  
 { Ophiodothis Haydeni, Sacc.  
 { Rhopographus Haydeni, Cke.  
 { Dothidea Heliopsidis, S.  
 { Montagnella Heliopsidis, Sacc.  
 { Euryachora Heliopsidis, Cke.  
 { Hysterium expallens, S.  
 { Hypoderma expallens, Cke.  
 { Sphaeria comatella, C. & E.  
 { Leptosphaeria comatella, Sacc.  
 { Sphaeria Ogilviensis, B. & Br.  
 { Leptosphaeria Ogilviensis, Ces. & De Not.  
 { Sphaeria anguillida, Cke.  
 { Ophiobolus anguillides, Sacc.  
 { Raphidospora anguillida, Cke

{ *Peziza astericola*, C. & E.  
 { *Mollisia astericola*, Sacc.  
 { *Phoma macularis*, B. & C.  
 { *Phoma maculifera*, Sacc.  
 { *Hypocenia herbarum*, Cke. & Hark.  
 { *Stagonospora herbarum*, Sacc.

***Baccharis halimifolia*, L.**

{ *Asterina melioloides*, B. & C.  
 { *Meliola Baccharidis*, B. & Rav.  
 { *Dimerosporium Baccharidis*, Sacc.  
 { *Dimerosporium melioloides*, Martin.

***Baccharis pilularis*, DC.**

*Coleosporium Baccharidis*, Cke. & Hark.  
*Puccinia evadens*, Hark.  
 { *Sphaeria bicuspidata*, Cke. & Hark.  
 { *Leptosphaeria bicuspidata*, Berl. & Vogl.  
 { *Heptameria bicuspidata*, Cke. & Hark.  
*Sphaeria (Melanomma) seminis*, Cke. & Hark.

***Baccharis viminea*, DC.**

*Coleosporium Baccharidis*, Cke. & Hark.  
*Puccinia evadens*, Hark.

***Baccharis*, sp. indet.**

*Corticium incarnatum*, Fr.  
*Dothidea Baccharidis*, Cke.  
*Sphaeria (Diaporthe) Baccharidis*, Cke.  
*Stereum tabacinum*, (Sow.) Fr.

***Bahia*, sp. indet.**

*Aecidium Bahiae*, B. & C.

***Balsamorrhiza deltoidea*, Nutt.**

***Balsamorrhiza macrophylla*, Nutt.**

***Balsamorrhiza sagittata*, Nutt.**

{ *Puccinia flosculosorum*, (A. & S.) Roehl.  
 { *Trichobasis Balsamorrhizae*, Pk.  
 { *Puccinia Balsamorrhizae*, Pk.  
 { *Uredo Balsamorrhizae*, De Toni.

***Bidens bipinnata*, L.**

*Septoria Bidentis*, Sacc.

***Bidens cernua*, L.**

*Peronospora Halstedii*, Farl.

***Bidens chrysanthemoides*, Michx.**

*Cercospora umbrata*, Ell. & Holw.  
*Peronospora Halstedii*, Farl.  
*Sphaerotheca Castagnei*, Lev.

***Bidens connata*, Muhl.**

*Erysiphe fuscata*, B. & C.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Sphaerotheca Castagnei*, Lev.

***Bidens frondosa*, L.**

*Aecidium Compositarum*, Mart.  
*Cercospora umbrata*, Ell. & Holw.  
*Erysiphe fuscata*, B. & C.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Sphaerotheca Castagnei*, Lev.

***Bidens*, sp. indet.**

{ *Sphaeria Ogilviensis*, B. & Br.  
 { *Leptosphaeria Ogilviensis*, Ces. & De Not.  
 { *Sphaeria acuminata*, Sow.  
 { *Ophiobolus acuminatus*, Duby.  
 { *Sphaeria anguillida*, Cke.  
 { *Ophiobolus anguillides*, Sacc.  
 { *Raphidospora anguillida*, Cke.  
*Peziza fuscorubra*, Rehm.  
*Peziza heterocarpa*, Ell.  
*Ramularia concomitans*, Ell. & Holw.  
*Sporocybe byssoides*, (P.) Fr.

***Bigelovia Douglasii*, Gray.**

*Erysiphe Cichoracearum*, DC.  
*Aecidium Bigeloviæ*, Pk.

***Bigelovia graveolens*, Gray., var. *albicaulis*, Gray.**

*Erysiphe Cichoracearum*, DC.  
*Erysiphe sepulta*, Ell. & Ev.

***Bigelovia*, sp. indet.**

*Puccinia Bigeloviae*, Ell. & Ev.

***Borrichia frutescens*, DC.**

*Uromyces triannulatus*, B. & C.

***Brickellia*, sp. indet.**

*Puccinia Brickelliae*, Pk.

***Cacalia atriplicifolia*, L.**

*Aecidium Compositarum*, Mart.  
*Septoria Cacaliae*, Ell. & Kell.

***Cacalia tuberosa*, Nutt.**

*Septoria Cacaliae*, Ell. & Kell.

***Callistephus Chinensis*, Nees.**

*Coleosporium Sonchi-arvensis*, (P.) Lev.

***Carduus*, sp. indet.**

*Sphaeria pellita*, Fr.

***Carphephorus tomentosus*, Torr. & Gr.**

*Fusisporium aurantiacum*, Lk.

***Chrysanthemum Leucanthemum*, L.**

*Phoma herbarum*, Westd.  
*Septoria herbarum*, B. & C.

***Chrysopsis villosa*, Nutt.**

*Erysiphe Cichoracearum*, DC.

***Cnicus altissimus*, Willd.**

{ *Erysiphe Cichoracearum*, DC.  
 { *Erysiphe lamprocarpa*, Lev. p. p.  
 { *Sphaeria acuminata*, Sow.  
 { *Ophiobolus acuminatus*, Duby.  
 { *Raphidospora acuminata*, Rabh.  
*Septoria Cirsii*, Niessl.  
*Septoria Commonsii*, Ell. & Ev.

***Cnicus altissimus*, Willd., var. *discolor*, Gray.**

{ *Puccinia flosculosorum*, (A. & S.) Roehl.  
 { *Puccinia Compositarum*, Schl.  
 { *Chaetomella (?) perforata*, Ell. & Ev.  
 { *Venturia occidentalis*, Ell. & Ev.

*Cnicus arvensis*, Hoffm.

- { *Cystopus cubicus*, (Strauss) Lev.
- { *Cystopus spinulosus*, DBy.
- Phyllosticta Cirsii*, Desm.
- { *Puccinia Compositarum*, Schl.
- { *Puccinia Cirsii*, Lasch.
- { *Trichobasis suaveolens*, (P.) Lev.
- { *Puccinia obtagens*, (Lk.) Tul.
- { *Puccinia suaveolens*, Rostrup.
- Septoria Cirsii*, Niessl.

*Cnicus lanceolatus*, Hoffm.

- Cystopus cubicus*, (Strauss) Lev.
- { *Uredo flosculosorum*, A. & S.
- Uredo Cichoracearum*, DC.
- { *Puccinia Hieracii*, (Schum.) Mart.
- Puccinia flosculosorum*, Roehl.
- { *Puccinia variabilis*, Grev.
- Puccinia Compositarum*, Schl.
- { *Puccinia Cirsii*, Lasch.

*Cnicus muticus*, Pursh.

- { *Sphaeria mesoedema*, B. & C.
- { *Heptameria mesoedema*, Sacc.

*Cnicus ochrocentrus*, Gray.

- Schizonella subtrifida*, Ell. & Ev.

*Cnicus undulatus*, Gray.

- Cercospora obesa*, Ell. & Ev.
- Erysiphe Cichoracearum*, DC.
- Puccinia flosculosorum*, (A. & S.) Roehl.

*Cnicus*, sp. indet.

- { *Pleospora baccata*, Ell.
- { *Clathrospora permunda*, (Cke.) Berl.
- { *Sphaeria modesta*, Desm.
- { *Leptosphaeria modesta*, Karst.
- Macrosporium commune*, Rabh.

*Coreopsis aurea*, Ait.

- Sphaerotheca Castagnei*, Lev.

*Coreopsis discoidea*, Torr. & Gr.

- Peronospora Halstedii*, Farl.

*Dahlia variabilis*, Desf.

- Botryosporium pulchrum*, Cda.
- Erysiphe communis*, (Wallr.) Schl.
- Macrosporium erumpens*, Cke.
- Sphaerella Dahliæ*, C. & E.
- Vermicularia compacta*, C. & E.

*Dysodia chrysanthemoides*, Lag.

- Erysiphe Cichoracearum*, DC.

*Elephantopus Carolinianus*, Willd.

- Cercospora Elephantopodis*, Ell. & Ev.
- { *Uredo Elephantopodis*, S.
- { *Caeoma Elephantopodis*, Lk.
- { *Coleosporium Sonchi*, Lev.
- { *Coleosporium Sonchi-arvensis*, (P.) Lev.
- { *Coleosporium Elephantopodis*, Thm.

*Elephantopus tomentosus*, L.

- Uredo Elephantopodis*, S.

*Erechthites hieracifolia*, Raf.

- Erysiphe communis*, (Wallr.) Schl.

*Sphaerotheca Castagnei*, Lev.*Erigeron annuus*, P.

- { *Caeoma (Aecidium) erigeronatum*, S.
- { *Aecidium Compositarum*, Mart., forma
- { *Erigerontis*, Wint.

*Cercospora cana*, Sacc.*Cercospora griseëlla*, Pk.

- { *Fusisporium phyllogenum*, C. & P.
- { *Fusarium phyllogenum*, Sacc.

*Leptothyrium punctiforme*, B. & C.

- { *Septoria Erigeronis*, Pk.
- { *Septoria erigerontea*, Sacc.

*Erigeron armeriaefolius*, Turcz.*Erysiphe Cichoracearum*, DC.*Erigeron bellidifolius*, Muhl.

- { *Caeoma (Aecidium) erigeronatum*, S.
- { *Aecidium Compositarum*, Mart., forma
- { *Erigerontis*, Wint.

*Erigeron Canadensis*, L.

- { *Caeoma (Aecidium) erigeronatum*, S.
- { *Aecidium Compositarum*, Mart., forma
- { *Erigerontis*, Wint.

*Fusidium canum*, Pass.

- { *Cercospora cana*, Sacc.
- { *Cercosporaella cana*, Sacc.
- { *Ramularia cana*, Halsted.

*Diaporthe apiculosa*, Ell.*Diaporthe incrustans*, Nits.?*Erysiphe Cichoracearum*, DC.

- { *Peziza nigrescens*, Cke.
- { *Helotium nigrescens*, Rehm.

*Leptosphaeria agnita*, (Desm.) Ces. & De Not., var. *Erigerontis*, Berl.

- { *Sphaeria Ogilviensis* B. & Br.
- { *Leptosphaeria Ogilviensis*, Ces. & De Not.

*Sphaeria bucera*, C. & E.

- { *Metasphaeria bucera*, Sacc.

*Sphaeria leiottega*, Ell.

- { *Metasphaeria leiottega*, Sacc.

*Peronospora entospora*, (Rose & Cornu) B. & Br.*Peronospora Basidiophora*, Cornu.*Peronospora simplex*, Pk.*Plasmodiopara entospora*, Schrt.*Septoria Erigeronis*, Pk.*Septoria erigerontea*, Sacc.*Erigeron compositus*, Pursh.*Pleospora herbarum*, (P.) Rabh.*Pleospora platyspora*, Sacc.*Sphaerella eriophila*, Niessl.*Erigeron corymbosus*, Nutt.*Erigeron divaricatus*, Michx.*Erigeron glabellus*, Nutt.*Erigeron micranthus*, Nutt.*Erysiphe Cichoracearum*, DC.*Erigeron Philadelphicus*, L.*Caeoma (Aecidium) erigeronatum*, S.*Entyloma Compositarum*, Farl.

*Erigeron quercifolius*, Lam.

Aecidium Compositarum, Mart., forma  
Erigerontis, Wint.

*Erigeron salsuginosus*, Gray.

{ Pleospora permunda, (Cke.) Sacc.  
{ Clathrospora permunda, Berl.  
Sphaerella subcongregata, Ell. & Ev.

*Erigeron strigosus*, Muhl.

{ Caeoma (Aecidium) erigeronatum, S.  
{ Aecidium Compostarum, Mart., forma  
Erigerontis, Wint.

*Erysiphe Cichoracearum*, DC.

{ Septoria Erigeronis, Pk.  
{ Septoria erigerontea, Sacc.

*Erigeron uniflorus*, L.

Laestadia circumtegens, Rostrup.  
Torula abbreviata, Cda.

*Erigeron*, sp. indet.

Asterina nigerrima, Ell.

Chaetomium olivaceum, C. & E.

{ Dothidea Haydeni, B. & C.  
{ Ophiодothis Haydeni, Sacc.  
{ Rhopographus Haydeni, Cke.

{ Sphaeria anguillida, Cke.

{ Ophiobolus anguillides, Sacc.

{ Peziza carneorubra, Ell.

{ Trichopeziza carneorubra, Sacc.

{ Peziza erigeronata, Sacc.

{ Mollisia erigeronata, Sacc.

{ Peziza exigua, Cke.

{ Pezizella exigua, Sacc.

Septoria Erigerontis, B. & C.

*Eriophyllum staechadifolium*, Lag.

Heptameria mesoedema, (B. & C.) Sacc.

*Eupatorium ageratoides*, L. f.

Cercospora ageratoides, Ell. & Ev.

Cercospora Eupatorii, Pk.

{ Erysiphe communis, (Wallr.) Schl.  
{ Erysiphe Martii, Lev.

Hymenula olivacea, Pk.

{ Hypocrea phyllogena, Mont.

{ Hypocrella phyllogena, Speg.

{ Peronospora Halstedii, Farl.

{ Plasmopara Halstedii, Berl. & De Toni.

{ Peziza Solenia, Pk.

{ Solenopezia Solenia, Sacc.

{ Caeoma (Aecidium) tenuie, S.

{ Puccinia tenuis, Burrill.

Septoria Eupatorii, Rob.

*Eupatorium album*, L.

Cercospora ageratoides, Ell. & Ev.

Cercospora Eupatorii, Pk.

*Eupatorium altissimum*, L.

Caeoma (Aecidium) tenuie, S.

*Eupatorium coelestinum*, L.

{ Puccinia Centaureae, Berk.

{ Puccinia Conoclinii, Seymour.

*Eupatorium coronopifolium*, Willd.

{ Sphaeria mesoedema, B. & C.

{ Heptameria mesoedema, Sacc.

{ Dothidea Eupatorii, B. & C.

{ Phyllachora Eupatorii, Sacc.

{ Sphaeria umbrinella, B. & C.

{ Rosellinia umbrinella, Sacc.

*Eupatorium perfoliatum*, L.

Aecidium Compositarum, Mart.

Caeoma (Aecidium) tenuie, S.

Cercospora perfoliata, Ell. & Ev.

*Eupatorium purpureum*, L.

{ Sphaeria mortuosa, Ell.

{ Anthostoma mortuosum, Sacc.

{ Caeoma (Aecidium) Compositarum, Lk.,

var. Eupatoria, S.

{ Aecidium Compositarum, Mart., var. Eupatoria, (S.) B.

{ Erysiphe Cichoracearum, DC.

{ Erysiphe lamprocarpa, Lev. p.p.

{ Hysterium commune, Fr.

{ Hypoderma commune, Duby.

Leptostroma vulgare, Fr.

{ Peronospora Halstedii, Farl.

{ Plasmopara Halstedii, Berl. & De Toni.

{ Peziza Eupatorii, S.

{ Trichopeziza Eupatorii, Sacc.

*Eupatorium purpureum*, L., var. *maculatum*, Darl.

{ Peziza longipila, Pk.

{ Dasyscypha longipila, Sacc.

{ Xyloma confluens, S.

{ Rhytisma confluens, S.

*Eupatorium serotinum*, Michx.

Septoria Eupatorii, Rob.

*Eupatorium*, sp. indet.

Actinothryium caulincolum, S.

Peziza atrata, P.

Phacidium caulincolum, S.

Sporidesmium irregulare, Cke.

*Gaillardia aristata*, Pursh.

Erysiphe Cichoracearum, DC.

*Gaillardia pulchella*, Foug.

Entyloma Compositarum, Farl.

*Gnaphalium decurrens*, Ives.

{ Patellaria gnaphaliana, C. & E.

{ Patinella gnaphaliana, Sacc.

*Gnaphalium polyccephalum*, Michx.

Caeoma (Aecidium) gnaphaliatum, S.

Puccinia investita, S.

*Gnaphalium*, sp. indet.

{ Cercospora gnaphaliacea, Cke.

{ Cercospora Gnaphalii, Hark.

*Grindelia obusta*, Nutt.

Sorosporium Californicum, Hark.

*Grindelia squarrosa*, Dunal.

Erysiphe Cichoracearum, DC.

Puccinia Grindeliae, Pk.

Ramularia Grindeliae, Ell. & Kell.

*Gutierrezia Euthamiae*, Torr. & Gr.

Erysiphe Cichoracearum, DC.

*Erysiphe communis*, (Wallr.) Schl.  
*Pleospora herbarum*, (P.) Rabh.

***Helenium autumnale*, L.**  
*Erysiphe Cichoracearum*, DC.  
*Puccinia Helenii*, S.  
*Septoria Helenii*, Ell. & Ev.

***Helianthella Californica*, Gray.**  
 { *Trichobasis Helianthellae*, Pk.  
 { *Uredo Helianthellae*, De Toni.

***Helianthella Parryi*, Gray.**  
*Erysiphe Cichoracearum*, DC.

***Helianthus angustifolius*, L.**  
*Montagnella Heliopsidis*, (S.) Sacc.  
*Puccinia Tanaceti*, DC.

***Helianthus annuus*, L.**  
*Alternaria tenuis*, Nees.  
*Cercospora pachypus*, Ell. & Ev.  
*Entyloma Compositarum*, Farl.  
 { *Erysiphe Cichoracearum*, DC.  
 { *Erysiphe lamprocarpa*, Lev. p.p.  
*Macrosporium inquinans*, C. & E.  
 { *Dothidea effusa*, S.  
 { *Phyllachora effusa*, Sacc.  
*Plasmopara Halstedii*, (Farl.) Berl. & De Toni.  
*Polyactis simplex*, (P.) Lk.  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.  
 { *Puccinia Helianthorum*, S.  
*Septoria Helianthi*, Ell. & Kell.  
*Vermicularia subeffigurata*, S., var. *Helianthi*, S.

***Helianthus Californicus*, DC.**  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.

***Helianthus Californicus*, DC., var. *Utahensis*, Gray.**  
*Erysiphe Cichoracearum*, DC.

***Helianthus decapetalus*, L.**  
*Erysiphe Cichoracearum*, DC.  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.

***Helianthus decapetalus*, L., var. *multiflorus*, (?) Gray.**  
 { *Dothidea Heliopsidis*, (S.) Fr.  
 { *Montagnella Heliopsidis*, Sacc.

***Helianthus divaricatus*, L.**  
*Caeoma (Aecidium) tracheliiifoliatum*, S.  
*Dothidea Heliopsidis*, (S.) Fr.  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.  
*Septoria paupera*, Ell.

***Helianthus doronicoides*, Lam.**  
*Aecidium Compositarum*, Mart.  
*Caeoma (Aecidium) helianthatum*, S.  
*Cercospora Helianthi*, Ell. & Ev.  
 { *Erysiphe Cichoracearum*, DC.  
 { *Erysiphe lamprocarpa*, Lev. p.p.

{ *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Septoria Helianthi*, Ell. & Kell.

***Helianthus giganteus*, L.**  
*Caeoma (Aecidium) helianthatum*, S.  
 { *Caeoma (Uredo) Helianthi*, S.  
 { *Puccinia Tanaceti*, DC.

***Helianthus gracilentus*, Gray.**  
*Phyllachora effusa*, (S.) Sacc.

***Helianthus grosse-serratus*, Martens.**  
*Erysiphe Cichoracearum*, DC.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.

***Helianthus heterophyllus*, Nutt.**  
 { *Puccinia Helianthi*, S.  
 { *Puccinia Helianthorum*, S.

***Helianthus laetiflorus*, P.**  
*Puccinia Helianthi*, S.

***Helianthus Maximiliani*, Schrad.**  
*Cercospora Helianthi*, Ell. & Ev.  
*Puccinia Tanaceti*, DC.

***Helianthus mollis*, Lam.**  
 { *Aecidium Helianthi-mollis*, S.  
 { *Caeoma (Aecidium) helianthatum*, S.  
*Puccinia Tanaceti*, DC.  
*Septoria Inulae*, Sacc. & Speg?

***Helianthus occidentalis*, Riddell.**  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Puccinia Tanaceti*, DC.

***Helianthus petiolaris*, Nutt.**  
*Cercospora pachypus*, Ell. & Kell.  
*Puccinia Helianthi*, S.

***Helianthus rigidus*, Desf.**  
 . *Caeoma (Aecidium) helianthatum*, S.  
*Cercospora Helianthi*, Ell. & Ev.  
*Erysiphe Cichoracearum*, DC.  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.

***Helianthus strumosus*, L.**  
*Aecidium Compositarum*, Mart.  
 { *Erysiphe Cichoracearum*, DC.  
 { *Erysiphe lamprocarpa*, Lev. p.p.  
 { *Sphaeria Heliopsidis*, S.  
 { *Dothidea Heliopsidis*, Fr.  
 { *Montagnella Heliopsidis*, Sacc.  
 { *Euryachora Heliopsidis*, Cke.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
 { *Puccinia Tanaceti*, DC.  
 { *Puccinia Helianthi*, S.  
*Septoria Helianthi*, Ell. & Kell.

***Helianthus tracheliiifolius*, Willd.**  
*Caeoma (Aecidium) tracheliiifoliatum*, S.  
*Plasmopara Halstedii* (Farl.) Berl. & De Toni.

*Helianthus tuberosus*, L.

Erysiphe Cichoracearum, DC.  
 { Peronospora Halstedii, Farl.  
 { Plasmopara Halstedii, Berl. & De Toni.  
 { Puccinia Tanaceti, DC.  
 { Puccinia Helianthi, S.  
 { Caeoma (Uredo) Helianthi, S.  
 { Puccinia Helianthorum, S.  
 { Trichobasis Helianthi, Rav. Fung. Am.

*Helianthus*, sp. indet.

Coleosporium Sonchi-arvensis, (P.) Lev.  
 Cyphella pezizoides, Zopf.  
 Macrosporium commune, Rabh.  
 { Septoria helianthicola, Cke. & Hark.  
 { Rhabdospora helianthicola, Sacc.  
 { Sphaeria consessa, C. & E.  
 { Leptosphaeria consessa, Sacc.  
 { Heptameria consessa, C. & E.  
 Sphaeria (Leptosphaeria) dumetorum,  
 (Niessl) C. & E.  
 { Sporidesmium Fumago, Cke.  
 { Sirodesmium Fumago, Sacc.  
 Vermicularia subglabra, Cke. & Hark.

*Heliopsis laevis*, P.

Aecidium Compositarum, Mart., forma  
 Heliopsisidis, Wint.  
 { Sphaeria Heliopsisidis, S.  
 { Dothidea Heliopsisidis, S.  
 { Montagnella Heliopsisidis, Sacc.  
 { Euryachora Heliopsisidis, Cke.

*Heliopsis*, sp. indet.

Puccinia Heliopsisidis, S.

*Inula Helenium*, L.

{ Sphaeria rostrospora, Gerard.  
 { Anthostomella rostrospora, Sacc.  
 Erysiphe Cichoracearum, DC.

*Iva axillaris*, Pursh.

Aecidium intermixtum, Pk.  
 Puccinia intermixta, Pk.

*Iva ciliata*, Willd.

Cystopus Tragopogonis, (P.) Schrt.  
 Septoria xanthiifolia, Ell. & Kell.

*Iva frutescens*, L.

Dothidea tetraspora, B. & Br.  
 Phyllosticta ivaecola, Ell. & Ev.

*Iva xanthiifolia*, Nutt.

Erysiphe Cichoracearum, DC.  
 { Plasmopara sp., Swingle.  
 { Peronospora Kellermannii, Ell. & Halsted.  
 { Sphaeria (Physalospora) Arthuriana, Sacc.  
 { Laestadia Arthuriana, Cke.  
 Puccinia intermixta, Pk.  
 Septoria xanthiifolia, Ell. & Kell.

*Kuhnia eupatorioides*, L.

Puccinia Kuhniae, S.

*Kuhnia*, sp. indet.

Uredo flosculosorum, A. & S.

*Lepachys pinnata*, Torr. & Gr.

Entyloma Compositarum, Farl.  
 Septoria infuscata, Wint.

*Liatris scariosa*, Willd.

Aecidium Compositarum, Mart. var. Liatri,  
 Webber.

*Madia Nuttallii*, Gray.

Coleosporium Madiae, Cke.

*Madia sativa*, Molina.

Peronospora Halstedii, Farl.

*Matricaria*, sp. indet.

Cystopus cubicus, (Strauss) Lev.

*Melanthera hastata*, Michx.

{ Uromyces Melantherae, Cke.  
 { Uromyces Martinii, Farl.

*Mikania scandens*, Willd.

Fusarium Mikaniae, B. & C.

*Mikania*, sp. indet.

Aecidium Compositarum, Mart.

*Onopordon acanthium*, L.

Rhabdospora pleosporoides, Sacc.

*Parthenium integrifolium*, L.

Cystopus cubicus, (Strauss) Lev.

*Perityle Californica*, Benth., var. *nuda*,  
 Gray.

Cystopus cubicus, (Strauss) Lev.

*Petasites palmata*, Gray.

Puccinia Nardosmii, Ell. & Ev.

Ramularia variegata, Ell. & Holw.

*Pluchea borealis*, Gray.

Puccinia splendens, Vize.

*Rudbeckia hirta*, L.

Septoria Rudbeckiae, Ell. & Halsted.

*Rudbeckia laciniata*, L.

Entyloma Compositarum, Farl.

{ Peronospora Halstedii, Farl.

{ Plasmopara Halstedii, Berl. & De Toni.

Ramularia Rudbeckiae, Pk.

Septoria Rudbeckiae, Ell. & Halsted.

{ Uromyces Rudbeckiae, Arth. & Holw.

{ Uromyces Solidaginis, Auct. Am. p.p.

*Rudbeckia occidentalis*, Nutt.

Erysiphe Cichoracearum, DC.

*Rudbeckia triloba*, L.

Cercospora tabacina, Ell. & Ev.

Peronospora Halstedii, Farl.

Septoria Rudbeckiae, Ell. & Halsted.

*Senecio aureus*, L.

Aecidium Compositarum, Mart.

Accidium Senecionis, Desm.

{ Cystopus cubicus, (Strauss) Lev.

{ Cystopus Tragopogonis, (P.) Schrt.

Entyloma Compositarum, Farl.

*Senecio lugens*, Richards.  
*Cystopus cubicus*, (Strauss) Lev.

*Senecio Serra*, Hook.  
*Cystopus Tragopogonis*, (P.) Schrt.

*Senecio triangularis*, Hook.  
*Puccinia subcircinata*, Ell. & Ev.

*Senecio vulgaris*, L.  
*Coleosporium Senecionis*, (P.) Fr.

*Silphium integrifolium*, Michx.  
*Aecidium Compositarum*, Mart.  
*Ascochyta Treleasei*, Berl. & Vogl.  
*Cercospora Silphii*, Ell. & Ev.  
*Coleosporium Sonchi-arvensis*, (P.) Lev.  
*Entyloma Compositarum*, Farl.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Puccinia Silphii*, S.

*Silphium laciniatum*, L.  
*Aecidium Compositarum*, Mart.  
*Coleosporium Sonchi-arvensis*, (P.) Lev.  
*Peronospora Halstedii*, Farl.  
*Puccinia Silphii*, S.

*Silphium perfoliatum*, L.  
*Aecidium Compositarum*, Mart.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Puccinia Silphii*, S.  
*Septoria Silphii*, Ell. & Ev.  
*Sphaeria Silphii*, S.

*Silphium terebinthinaceum*, Jacq.  
*Aecidium Compositarum*, Mart.  
*Chaetophoma maculans*, Wint.  
 { *Uredo Terebinthinaceae*, S.  
 { *Caeoma Terebinthinaceae*, S.  
*Coleosporium Sonchi-arvensis*, (P.) Lev.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Puccinia Silphii*, S.

*Silphium trifoliatum*, L.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Puccinia Silphii*, S.

*Silphium trifoliatum*, L., var. *latifolium*, Gray.  
*Ellisiella mutica*, Wint.

*Silphium*, sp. indet.  
 { *Erysiphe depressa*, Lk.  
 { *Erysiphe Linkii*, Lev.  
 { *Rhytisma Silphii*, S.  
 { *Leptostroma Silphii*, Cke.  
 { *Dothidea Silphii*, S.  
 { *Phyllachora Silphii*, Sacc.  
*Vermicularia Silphii*, S.

*Solidago arguta*, Ait.  
*Coleosporium Solidaginis*, (S.) Thm.  
*Puccinia orbicula*, Pk. & Clinton.  
*Septoria solidaginicola*, Pk.

*Solidago caesia*, L.  
*Aecidium Asterum*, S.  
*Rhytisma Solidaginis*, S. *Spec. Dub.*

*Solidago Canadensis*, L.  
 { *Aecidium Solidaginis*, S.  
 { *Aecidium Compositarum*, Mart., forma *Solidaginis*, Wint.  
 { *Coleosporium Sonchi-arvensis*, (P.) Lev.  
 { *Coleosporium Solidaginis*, (S.) Thm.  
 { *Erysiphe Cichoracearum*, DC.  
 { *Erysiphe lamprocarpa*, Lev. p.p.  
*Oidium erysiphoides*, Fr.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.  
*Phyllachora Solidaginum*, Sacc.  
*Ramularia Virgaureæ*, Thm.  
*Septoria fumosa*, Pk.  
*Septoria Solidaginum*, Thm.  
*Spharella solidaginea*, Ell. & Kell.  
*Sphaeria Solidaginum*, S.

*Solidago lanceolata*, L.  
*Rhytisma Solidaginis*, S. *Spec. Dub.*

*Solidago latifolia*, L.  
 { *Aecidium Asterum*, S.  
 { *Aecidium Veibesinae*, S.  
 { *Aecidium Solidaginis*, S.  
 { *Caeoma (Aecidium) asteratum*, Lk.  
*Uredo Asterum*, Spreng. p.p.  
*Aecidium Compositarum*, Mart., forma *Solidaginis*, Wint.  
*Cercospora reticulata*, (Pk.) Ell. & Ev.  
*Coleosporium Sonchi-arvensis*, (P.) Lev.

*Solidago leptocephala*, Torr. & Gr.  
*Rhytisma Solidaginis*, S. *Spec. Dub.*

*Solidago Lindheimeriana*, Scheele.  
*Ramularia Virgaureæ*, Thm.

*Solidago Missouriensis*, Nutt.  
*Coleosporium Sonchi-arvensis*, (P.) Lev.  
*Erysiphe Cichoracearum*, DC.

*Solidago nana*, Nutt.  
*Erysiphe Cichoracearum*, DC.

*Solidago nemoralis*, Ait.  
*Coleosporium Sonchi-arvensis*, (P.) Lev.  
*Puccinia Solidaginis*, Pk.

*Solidago occidentalis*, Nutt.  
*Didymaria spissa*, Hark.  
*Erysiphe Cichoracearum*, DC.

*Solidago odora*, Ait.  
*Septoria Solidaginis*, Cke.

*Solidago puberula*, Nutt.  
*Coleosporium Solidaginis*, Thm.  
 { *Darluca Filum*, (Biv.) Cast.  
 { *Septoria Solidaginis*, Thm.

*Solidago pumila*, Torr. & Gr.  
*Puccinia Solidaginis*, Pk.

*Solidago Riddellii*, Frank.  
*Aecidium Compositarum*, Mart.  
 { *Peronospora Halstedii*, Farl.  
 { *Plasmopara Halstedii*, Berl. & De Toni.

*Solidago rigida*, L.

- Aecidium Asterum, S.
- Aecidium Compositarum, Mart.
- Erysiphe Cichoracearum, DC.
- { Peronospora entospora, (Rose & Cornu) B. & Br.
- { Plasmopara entospora, Schrt.
- { Stachylium roseum, S.
- { Sporotrichum Schweinitzii, Sacc.

*Solidago rugosa*, Mill.

- Aecidium Asterum, S.
- { Cercospora reticulata, Pk.
- { Cercospora reticulata, Ell. & Ev.
- Coleosporium Sonchi-arvensis, (P.) Lev.
- { Puccinia Virgaureae, (DC.) Lib.
- { Puccinia minutula, Pk.
- Ramularia serotina, Ell. & Ev.
- Rhytisma Solidaginis, S., *Spec. Dub.*

*Solidago rupestris*, Raf.

- Coleosporium Solidaginis, Thm.

*Solidago sempervirens*, L.

- Rhytisma bifrons, S., *Spec. Dub.*

*Solidago serotina*, Ait.

- { Uredo Solidaginis, S.
- { Caeoma Solidaginis, S.
- { Coleosporium Sonchi-arvensis, (P.) Lev.
- { Coleosporium Solidaginis, Thm.
- Erysiphe Cichoracearum, DC.
- Ramularia serotina, Ell. & Ev.
- Septoria Virgaureæ, Desm.

*Solidago ulmifolia*, Muhl.

- Coleosporium Sonchi-arvensis, (P.) Lev.

*Solidago Virgaurea*, L., var. *alpina*, Bigel.

- Septoria brevis, Pk.

*Solidago*, sp. indet.

- Diaporthe mucronulata, Sacc.
- { Sphaeria orthoceras, Fr.
- { Diaporthe orthoceras, Nits.
- Dothidea Heliopsisidis, S. ?
- Hymenula vulgaris, Fr.
- Leptosphaeria Doliolum, (P.) De Not.
- { Sphaeria aulica, C. & E.
- { Metasphaeria aulica, Sacc.
- { Endophlaea aulica, C. & E.
- { Sphaeria Solidaginis, S. (in litt.)
- { Dothidea Solidaginis, Fr.
- { ?Phyllachora Solidaginis, Sacc.
- { ?Sphaeria Solidaginum, S.
- Ophiobolus Solidaginis, Sacc.
- { Raphidospora Solidaginis, Cke.

Peziza atrata, P.

- { Peziza atrocinerea, Cke.
- { Mollisia atrocinerea, Phil.
- { Peziza subatra, C. & P.
- { Pyrenopeziza subatra, Sacc.

Phlyctaena arcuata, B.

- { Sphaeria erratica, C. & E.
- { Physalospora erratica, Sacc.
- { Cryptosporium Solidaginis, C. & E.
- { Rhabdospora Solidaginis, Sacc.
- Rhabdospora subgrisea, Pk.
- Septoria gallarum, Ell. & Ev.
- Septoria intermedia, Ell. & Ev.
- Sphaeria linearis, Nees.
- Uromyces Solidaginis, Niessl.

*Tagetes*, sp. indet.

- Sphaeria tageticola, S.

*Tanacetum vulgare*, L.

- { Sphaeria comatella, C. & E.
- { Leptosphaeria comatella, Sacc.

Pistillaria coccinea, (Cda.) Fr.

*Tetradymia canescens*, DC.

- Puccinia variolans, Hark.

*Trilisia odoratissima*, Cass.

- Phoma minutissima, Cke.

*Tussilago Farfara*, L.

- Ramularia brunnea, Pk.

*Verbesina encelioides*, Benth. & Hook.

- Erysiphe Cichoracearum, DC.

*Verbesina occidentalis*, Walt.

- Puccinia Verbesinae, S.

*Verbesina*, sp. indet.

- { Aecidium Asterum, S.
- { Aecidium Verbesinae, S.

*Vernonia Baldwinii*, Torr.

- Cercospora oculata, Ell. & Kell.

- Cercospora Vernoniae, Ell. & Kell.

- Coleosporium Sonchi-arvensis, (P.) Lev.

- Erysiphe Cichoracearum, DC.

- { Peronospora Halstedii, Farl.

- { Plasmopara Halstedii, Berl. & De Toni.

- Puccinia flosculosorum, (A. & S.) Roehl.

- Sphaerella decidua, Ell. & Kell.

*Vernonia fasciculata*, Michx.

- Cercospora Vernoniae, Ell. & Kell.

- Coleosporium Sonchi-arvensis, (P.) Lev.

- { Erysiphe Cichoracearum, DC.

- { Erysiphe lamprocarpa, Lev. p.p.

- Puccinia flosculosorum, (A. & S.) Roehl.

- Puccinia Heliopsisidis, S.

- { Puccinia Vernoniae, S.

- { Puccinia Tanaceti, DC., var. Vernoniae,

Burrill.

*Vernonia Noveboracensis*, Willd.

- Aecidium Compositarum, Mart.

- Ascochyta Treleasei, Berl. & Vogl.

- Cercospora Noveboracensis, Ell. & Ev.

- { Uredo Solidaginis, S.

- { Caeoma Solidaginis, S.

- { Colcosporium Sonchi-arvensis, (P.) Lev.

- { Coleosporium Compositarum, Lev.

- { Coleosporium Vernoniae, B. & C.

{ *Sphaeria tenebrosa*, B. & Br.  
 { *Didymosphaeria tenebrosa*, Sacc.  
 { *Didymosphaerella tenebrosa*, Cke.  
*Erysiphe Cichoracearum*, DC.  
*Peronospora Halstedii*, Farl.  
*Puccinia bullata*, S.  
*Puccinia Tanaceti*, DC.  
*Sphaerotheca Castagnei*, Lev.  
***Vernonia Noveboracensis***, Willd., var.  
*latifolia*, Gray.  
*Puccinia flosculosorum*, (A. & S.) Roehl.  
***Viguiera***, sp. indet.  
*Puccinia Viguierae*, Pk.  
***Wyethia angustifolia***, Nutt.  
{ *Trichobasis Wyethiae*, Pk.  
{ *Uredo Wyethiae*, De Toni.  
***Wyethia mollis***, Gray.  
*Puccinia Wyethiae*, (Pk.) Hark.  
*Septoria Wyethiae*, Hark.  
***Xanthium Canadense***, Mill.  
*Aecidium Compositarum*, Mart.  
{ *Dothidea Xanthii*, DC.  
{ *Asteroma Xanthii*, M. A. Curtis.  
*Phyllachora Xanthii*, Sacc.  
{ *Erysiphe Cichoracearum*, DC.  
{ *Erysiphe lamprocarpa*, Lev. p.p.  
{ *Erysiphe Montagnei*, Lev.  
{ *Erysiphe horridula*, Lev.  
*Erysiphe spadicea*, B. & C.  
*Puccinia Xanthii*, S.  
*Rhabdospora Xanthii*, Pk.  
*Septoria Xanthii*, Desm.  
*Sphaerella xanthicola*, Cke. & Hark.  
***Zinnia multiflora***, L.  
*Cercospora Zinniae*, Ell. & Martin.  
*Sphaeria Zinniae*, S.  
***Zinnia***, sp. indet.  
*Cryptosporium aurantiacum*, Lk.

*Liguliflorae.*

***Crepis glauca***, Torr. & Gr.  
*Puccinia Hieracii*, (Schum.) Mart.  
*Ramularia Crepidis*, Ell. & Ev.  
***Hieracium alpinum***, L.  
*Septoria cercosperma*, Rostrup.  
***Hieracium Canadense***, Michx.  
*Erysiphe Cichoracearum*, DC.  
{ *Puccinia Hieracii*, (Schum.) Mart.  
{ *Puccinia flosculosorum*, (A. & S.) Roehl.  
***Hieracium dovrense***, Fr.  
*Leptosphaeria agnita*, (Desm.) De Not.  
***Hieracium paniculatum***, L.  
*Caeoma (Aecidium) hieraciatum*, S.  
***Hieracium vulgatum***, Fr.  
*Caeoma (Aecidium) hieraciatum*, S.

*Leptosphaeria agnita*, (Desm.) De Not.  
*Puccinia Hieracii*, (Schum.) Mart.  
***Hieracium***, sp. indet.  
*Puccinia maculosa*, S.  
*Sphaerotheca Castagnei*, Lev.  
***Krigia amplexicaulis***, Nutt.  
*Aecidium Compositarum*, Mart.  
*Puccinia maculosa*, S.  
***Krigia Dandelion***, Nutt.  
{ *Aecidium Compositarum*, Mart.  
{ *Aecidium Dandelionis*, S.  
*Caeoma Compositarum*, Lk., var. *Prenanthis*, S.  
{ *Uredo Compositarum*, Spreng. p.p.  
***Krigia Virginica***, Willd.  
? *Puccinia Asteris*, Duby.  
***Lactuca acuminata***, Gray.  
*Septoria unicolor*, Wint.  
***Lactuca Canadensis***, L.  
*Aecidium Compositarum*, Mart.  
*Entyloma Compositarum*, Farl.  
*Macrosporium inquinans*, C. & E.  
{ *Bremia Lactucae*, Regel.  
{ *Peronospora gangliformis*, (B.) D By.  
*Pleospora lactucicola*, Ell. & Ev.  
*Septoria lactucicola*, Ell. & Martin.  
*Sphaerella Lactucae*, Ell. & Kell.  
*Vermicularia venturioidea*, C. & E.  
***Lactuca floridana***, Gaertn.  
*Puccinia Prenanthis*, (P.) Fckl.  
*Septoria lactucicola*, Ell. & Martin.  
***Lactuca leucophaea***, Gray.  
{ *Bremia Lactucae*, Regel.  
{ *Peronospora gangliformis*, (B.) D By.  
***Lactuca Ludoviciana***, DC.  
*Peronospora gangliformis*, (B.) D By.  
***Lactuca pulchella***, DC.  
*Aecidium hemisphaericum*, Pk.  
*Erysiphe Cichoracearum*, DC.  
*Peronospora gangliformis*, (B.) D By.  
*Puccinia Prenanthis*, (P.) Fckl.  
*Sphaeria (Dothidea) Lactucarum*, S.  
*Tuberculina vinoso*, Sacc.?  
***Lactuca sativa***, L.  
{ *Bremia Lactucae*, Regel.  
{ *Peronospora gangliformis*, (B.) D By.  
*Septoria consimilis*, Ell. & Martin.  
*Septoria Lactucae*, Pass.  
***Lactuca***, sp. indet.  
*Dactylium roseum*, (Lk.) B.  
{ *Sphaeria subexserta*, C. & E.  
{ *Didymella subexserta*, Sacc.  
*Diplodia herbarum*, Lev., var. *Lactucae*, C. & E.  
*Dothidea crustosa*, C. & E.

*Macrosporium atrichum*, C. & E.  
*Macrosporium caudatum*, C. & E.  
*Macrosporium cladosporioides*, Desm.  
*Myrothecium Verrucaria*, (A. & S.) Ditm.  
*Ovularia Carletoni*, Ell. & Kell.  
 { *Sphaeria herbarum*, P.  
 { *Pleospora herbarum*, Rabh.  
 { *Sphaerella depressa*, Pk.  
 { *Laestadia depressa*, Berl. & Vogl.

*Lygodesmia juncea*, Don.  
*Aecidium Compositarum*, Mart., var. *Lygodesmiae*, Webber.  
*Darluca Filum*, Cast.  
*Puccinia variolans*, Hark. ?, var. *caulicola*, Ell. & Ev.  
 { *Tubercularia persicina*, Ditm.  
 { *Tuberculina persicina*, Sacc.

*Lygodesmia spinosa*, Nutt.  
*Puccinia Harknessi*, Vize.

*Malacothrix*, sp. indet.  
*Synchytrium innominatum*, Farl.

*Prenanthes alba*, L.  
 { *Bremia Lactucae*, Regel.  
 { *Peronospora gangliformis*, (B.) D By.  
 { *Puccinia Hieracii*, (Schum.) Mart.  
 { *Puccinia variabilis*, Grev.  
 { *Puccinia Compositarum*, Schl.  
*Septoria Nabali*, B. & C.

*Prenanthes altissima*, L.  
*Cladosporium effusum*, B. & C.  
 { *Bremia Lactucae*, Regel.  
 { *Peronospora gangliformis*, (B.) D By.

*Prenanthes aspera*, Michx.  
*Cercospora Prenanthis*, Ell. & Kell.

*Prenanthes racemosa*, Michx.  
*Septoria Nabali*, B. & C.

*Prenanthes*, sp. indet.  
*Aecidium Compositarum*, Mart.  
 { *Puccinia Prenanthis*, (P.) Fckl.  
 { *Puccinia Chondrillae*, Cda.  
 { *Puccinia orbicula*, Pk. & Clinton.  
*Septoria Nabali*, B. & C.  
*Septoria Prenanthis*, Ell. & Ev.  
 { *Septoria simulans*, B. & C.  
 { *Phlyctaena simulans*, Sacc.  
*Sphaerotheca Castagnaei*, Lev.

*Rafinesquia Californica*, Nutt.  
*Cercospora Rafinesquiae*, Hark.

*Sonchus asper*, L.  
 { *Bremia Lactucae*, Regel.  
 { *Peronospora gangliformis*, (B.) D By.  
*Septoria sonchifoliae*, Cke.

*Sonchus*, sp. indet.  
*Sphaeria Lactucarum*, S.

*Stephanomeria minor*, Nutt.  
*Puccinia cladophila*, Pk.

*Stephanomeria runcinata*, Nutt.  
*Discula runcinata*, Ell. & Ev.  
*Puccinia cladophila*, Pk.

*Taraxacum officinale*, Weber.  
*Aecidium Taraxaci*, Schm. & Kze. ?  
*Erysiphe Montagnei*, Lev.  
 { *Uredo flosculosorum*, A. & S.  
 { *Uredo Cichoracearum*, DC.  
*Puccinia Hieracii*, (Schum.) Mart.  
*Puccinia flosculosorum*, Roehl.  
*Puccinia variabilis*, Grev.  
*Puccinia Compositarum*, Schl.  
*Trichobasis Compositarum*, Lev.  
*Puccinia Cirsii*, Lasch.  
*Rainularia lineola*, Pk.  
*Ramularia Taraxaci*, Karst.  
*Sphaerella Compositarum*, Awd.  
*Sphaerotheca Castagnaei*, Lev.

*Tragopogon porrifolius*, L.  
 { *Cystopus cubicus*, (Strauss) Lev.  
 { *Cystopus Tragopogonis*, (P.) Schrt.

*Troximon aurantiacum*, Hook. ?  
*?Ovularia compacta*, Ell. & Ev.  
*Puccinia Compositarum*, Schl.  
*Puccinia rugosa*, Billings.

*Troximon cuspidatum*, Pursh.  
*Puccinia flosculosorum*, (A. & S.) Roehl.  
*Puccinia Troxinontis*, Pk.

*Troximon glaucum*, Nutt.  
*Aecidium Compositarum*, Mart.  
*Puccinia flosculosorum*, (A. & S.) Roehl.

*Troximon gracilens*, Gray.  
*Puccinia Troximontis*, Pk.

*Troximon heterophyllum*, Greene.  
*Puccinia Troximontis*, Pk.

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*Compositæ*, sp. indet.  
*Leptosphaeria pyrenopezizoides*, Sacc. & Speg.  
*?Polyactis quadrifida*, Lk.  
*Thecaphora pilulaefornis*, B. & C.  
*Uromyces compactus*, Pk.

## LOBELIACEAE.

*Lobelia cardinalis*, L.  
*Caeoma* (Uredo) *Lobeliae-cardinalis*, S.  
*Cercospora effusa*, (B. & C.) Ell. & Ev.

*Lobelia inflata*, L.  
*Cercospora effusa*, (B. & C.) Ell. & Ev.  
*Entyloma Lobeliae*, Farl.  
*Septoria Lobeliae*, Pk.

*Lobelia puberula*, Michx.  
*Cladosporium effusum*, B. & C.  
 { *Puccinia Lobeliae*, Gerard.  
 { *Puccinia mierosperma*, B. & C.

*Lobelia spicata*, Lam.  
*Septoria Lobeliae*, Pk.

*Lobelia syphilitica*, L.

- { Cladosporium effusum, B. & C.
- { Cercospora effusa, Ell. & Ev.
- Cercospora Lobeliae, Kell. & Swingle.
- { Puccinia Lobeliae, Gerard.
- { Puccinia microsperma, B. & C.
- Septoria Lobeliae, Pk.

*Lobelia*, sp. indet.

- Cladosporium pelliculosum, B. & C.
- Phoma devastatrix, B. & Br.?

## CAMPANULACEAE.

*Campanula Americana*, L.

- Septoria Campanulae, (Lev.) Sacc.
- Sphaerella Campanulae, Ell. & Kell.

*Campanula rotundifolia*, L.

- Pleospora herbarum, (P.) Rabh.
- Sphaerella pachyasca, Rostrup.

*Campanula uniflora*, L.

- Pleospora herbarum, (P.) Rabh.
- Puccinia Campanulae, Carm.
- Septoria cercosperma, Rostrup.
- Sphaerella pachyasca, Rostrup.

*Specularia biflora*, Gray.*Specularia leptocarpa*, Gray.

- { Septoria Speculariae, B. & C.
- { Septoria specularina, Sacc.

*Specularia perfoliata*, A. DC.

- { Septoria Speculariae, B. & C.
- { Septoria Speculariae, Sacc.
- { Septoria specularina, Sacc.
- { Uredo Campanulae, P.
- { Caeoma (Uredo) Campanularum, Lk.

## ERICACEAE.

*Andromeda ferruginea*, Walt.

- Asterina lepidigena, Ell. & Martin.
- Linospora ferruginea, Ell. & Martin.
- Septoria pulchella, B. & C.

*Andromeda ligustrina*, Muhl.

- { Sphaeria vexata, C. & E.
- { Cryptosphaeria vexata, Sacc.
- { Sphaeria grumata, Cke.
- { Didymosphaeria grumata, Rehm.
- Cucurbitaria longitudinalis, Pk.
- Exobasidium Andromedae, Pk.
- Hypocrea rufa, (P.) Fr.
- Melogramma fuliginosum, Ell.
- Microsphaera penicillata, (Wallr.) Lev.
- { Sphaeria entaxia, C. & E.
- { Melogramma fuliginosum, Ell. p.p.
- { Physalospora entaxia, Sacc.
- { Xyloma Andromedae-ligustrinae, S.
- { Rhytidia decolorans, Fr.

- { Sphaeria punctiformis, P.
- { Sphaerella punctiformis, Fr.
- { Hysterium Vaccinii, Carm.
- { Sporomega cladophila, (Lev.) Duby.
- Caeoma (Uredo) Vacciniorum, Lk.
- Valsa ligustrina, Cke.

*Andromeda nitida*, Bartl.

- Corticium calceum, (P.) Fr.
- { Hysterium Andromedae, S.
- { Sporomega Andromedae, Duby p.p.
- { Sporomega Andromedae, Duby p.p.
- { Hysterium variegatum, B. & C.
- { Hypoderma variegatum, Duby.

## Sphaeria Andromedae, S.

## Uredo Andromedae, Cke.

*Andromeda polifolia*, L.

- Rhytisma Andromedae, (P.) Fr.
- Venturia Cassandrae, Pk.

*Andromeda*, sp. indet.

- { Dermatea crypta, Cke.
- { Scleroderris crypta, Sacc.
- { Asterina clavuligera, Cke.
- { Dimerosporium clavuligerum, Martin.
- { Venturia maculosa, Ell.
- { Meliola maculosa, Ell.
- { Dimerosporium Ellisii, Sacc.
- Hymenochaete agglutinans, Ell.
- { Sphaeria sublanosa, Cke.
- { Metasphaeria sublanosa, Sacc.
- { Endophlaea sublanosa, Cke.
- { Peziza fuscidula, Cke.
- { Dasyscypha fuscidula, Sacc.
- { Peziza marginata, Cke.
- { Trichopeziza marginata, Sacc.
- { Peziza mauriata, C. & E.
- { Patinella mauriata, Sacc.

## Phacidium nigrum, Cke.

- { Sphaeria microtheca, C. & E.
- { Calosphaeria microtheca, Sacc.
- { Physalospora microtheca, Sacc.
- { Sphaeria arctespora, C. & E.
- { Rosellinia arctispora, Sacc.
- { Sphaeria xylariaespora, C. & E.
- { Sphaeria detonsa, Cke.
- { Rosellinia xylarispora, Sacc.
- { Sphaeria Andromedarum, S.
- { Sphaeria Andromedae, Rav. Fung. Amer.
- { Sphaeria kalmicola, Rav. Fung. Amer.
- Stereum ochraceoflavum, (S.) Rav.
- { Sphaeria salicina, P.
- { Valsa salicina, Fr.

*Arbutus Menziesii*, Pursh.

- Corticium calceum, (P.) Fr.
- Cryptosporium punctiforme, Cke. & Hark.
- Cyphella Ravenelii, B.
- { Diatrype prominens, Howe.
- { Diatrypella prominens, Sacc.
- Diplodia maculata, Cke. & Hark.
- Discosia minima, B. & C.

Exobasidium Vaccinii, (Fckl.) Wor.  
 Grandinia ocellata, Fr.  
 Phacidium Arbuti, Cke. & Hark.  
 Phacidium quadratum, Schm.  
 { Dothidea rugodisca, Cke. & Hark.  
 { Homostegia rugodisca, Sacc.  
 { Phyllachora rugodisca, Cke. & Hark.  
 { Melasmia arbuticola, Vize.  
 { Rhytisma Arbuti, Phil.  
 Sphaerella arbuticola, Pk.  
 Sphaerella maculiformis, Awd.  
 { Macroplodia asterina, Cke. & Hark.  
 { Sphaeropsis asterina, Sacc.  
 Sphaeropsis maculiformis, Cke. & Hark.  
 Stictis radiata, P.  
**Arctostaphylos alpina**, Spreng.  
 Asteroma alpinum, Sacc.  
 Melampsora sparsa, Wint.  
**Arctostaphylos glauca**, Lindl.  
 { Sphaeria Arctostaphyli, Plow.  
 { Botryosphaeria Arctostaphyli, Sacc.  
 { Macroplodia Arctostaphyli, Vize.  
 { Sphaeropsis Arctostaphyli, Sacc.  
**Arctostaphylos pumila**, Nutt.  
 Venturia Arctostaphyli, Cke. & Hark.  
**Arctostaphylos pungens**, H. B. K.  
 Exobasidium Arctostaphyli, Hark.  
 Glonium stellatum, Muhl.  
 Hysterium vulvatum, S.  
 Macroplodia Arctostaphyli, Vize.  
 { Peziza labrosa, Phil. & Hark.  
 { Trichopeziza labrosa, Sacc.  
**Arctostaphylos Uva-ursi**, Spreng.  
 Asterina conglobata, B. & C.  
 Exobasidium Vaccinii, (Fckl.) Wor.  
**Arctostaphylos**, sp. indet.  
 { Sphaeria sustenta, Plow.  
 { Anthostoma sustentum, Sacc.  
 { Xylosphaeria sustenta, Cke.  
 Cryptosporium falcatum, Cke. & Hark.  
 { Sphaeria spiculosa, A. & S.  
 { Diaporthe spiculosa, Nits.  
 Exobasidium Vaccinii, (Fckl.) Wor.  
 Harknessia Arctostaphyli, Cke. & Hark.  
 { Sporidesmium Fumago, Cke., var. umbri-  
 num, Cke. & Hark.  
 { Sirodesmium Fumago, Sacc., var. umbri-  
 num, Sacc.  
 Sporidesmium induratum, Cke.  
**Bryanthus taxifolius**, Gray.  
 Antennatula arctica, Rostrup.  
**Cassandra calyculata**, Don.  
 Ascochyta Cassandrae, Pk.  
 Cenangium Cassandrae, Pk.  
 Cenangium pezizoides, Pk.  
 Discella arida, Pk.  
 { Exobasidium Vaccinii, (Fckl.) Wor.  
 { Exobasidium Cassandrae, Pk.  
 Godronia Cassandrae, Pk.  
 Hysterium maculare, Fr.  
 Lophodermium orbiculare, (Ehrb.) Sacc. ?  
 Synchytrium Vaccinii, Thomas.  
 Uredo Cassandrae, Pk. & Clinton.  
 Caeoma (Uredo) Vacciniorum, Lk.  
 Venturia Cassandrae, Pk.  
 Venturia pulchella, C. & P.  
**Cassiope lycopodioides**, Don.  
 { Hysterium gracile, Ehrb.  
 { Lophodermium gracile, Sacc.  
 { Hysterium orbiculare, Ehrb.  
 { Lophodermium orbiculare, Sacc.  
 { Sphaeria punctiformis, P.  
 { Sphaerella punctiformis, Fr.  
**Cassiope tetragona**, Don.  
 { Triblidium arcticum, Ehrb.  
 { Cenangium arcticum, Fr.  
 Didymella hyperborea, (Karst.) Sacc.  
 Exobasidium Vaccinii, (Fckl.) Wor.  
 Leptosphaeria Andromedae, (Awd.) Sacc.  
 Metasphaeria Cassiopes, Rostrup.  
 Pleospora hyperborea, Fckl.  
 Sphaerella inconspicua, Schrt.  
 Sphaeria Hederae, Fr.  
 Venturia Myrtilli, Cke. ?  
**Chimaphila maculata**, Pursh.  
 Septoria Chimaphilae, Ell. & Ev.  
**Chimaphila umbellata**, Nutt.  
 { Sphaeria Pyrolae, Ehrb.  
 { Depazea Pyrolae, Rabh.  
 { Phoma Pyrolae, Rostrup.  
**Clethra alnifolia**, L.  
 { Sphaeronema clethrinolum, Ell.  
 { Cenangium urceolatum, Ell.  
 { Cenangiella ureceolata, Sacc.  
 { Nectria depauperata, Cke.  
 { Dialonectria depauperata, Cke.  
 Phyllosticta clethricola, Ell. & Martin.  
 { Stilbospora fenestrata, Ell. & Ev.  
 { Steganosporium fenestratum, Sacc.  
 Synchytrium Vaccinii, Thomas.  
 { Valsa clethraecola, C. & E.  
 { Valsaria clethricola, Sacc.  
 Valsa obtecta, C. & E.  
**Clethra**, sp. indet.  
 { Cenangium Urceolus, (A. & S.) Fr.  
 { Godronia Urceolus, Sacc.  
 { Sphaeria viscosa, C. & E.  
 { Physalospora viscosa, Sacc.  
 { Sphaeronema rufum, Fr.  
 { Sphaeronemella rufa, Sacc.  
 Sphaeropsis clethricola, C. & E.  
**Epigaea repens**, L.  
 { Erysiphe Vaccinii, S.  
 { Microsphaera Vaccinii, C. & P.  
 Phyllosticta Epigaeae, Pk.

***Gaultheria procumbens*, L.**

Asterina *Gaultheriae*, M. A. Curtis.  
 Cercospora *Gaultheriae*, Ell. & Ev.  
 Discosia *maculicola*, Gerard.  
 Phyllosticta *Gaultheriae*, Ell. & Ev.  
 Sphaerella *Gaultheriae*, C. & P.  
 Venturia *Gaultheriae*, Ell. & Ev.

***Gaultheria Shallon*, Pursh.**

Pestalozzia *gibbosa*, Hark.  
 Phyllosticta *Gaultheriae*, Ell. & Ev.  
 Sphaerella *Gaultheriae*, C. & P.

***Gaylussacia dumosa*, Torr. & Gr.**

{ *Peziza venturioides*, Ell. & Ev.  
 { *Trichopeziza venturioides*, Sacc.

***Gaylussacia frondosa*, Torr. & Gr.**

{ *Hysterium abietinum*, S. Syn. Car. p.p.  
 { *Hysterium Vaccinii*, S.  
 { *Xyloma Andromedae-ligustrinae*, S., var.  
 { *Vaccinii*, S.  
 { *Rhytisma Vaccinii*, Fr.

***Gaylussacia resinosa*, Torr. & Gr.**

Exobasidium *Vaccinii*, (Fckl.) Wor.  
 Melampsora *Vaccinii*, (A. & S.) Wint.  
 Microsphaera *Vaccinii*, (S.) C. & P.  
 Peziza *venturioides*, Ell. & Ev.  
 Ramularia *effusa*, Pk.

***Kalmia angustifolia*, L.**

{ *Peziza Kalmiae*, Pk.  
 { *Dermatea Kalmiae*, Cke.  
 { *Pezicula Kalmiae*, Sacc.  
 { *Trichopeziza Kalmiae*, Sacc.  
 { *Discella Kalmiae*, Pk.  
 { *Discula Kalmiae*, Sacc.  
 { *Dothidea Kalmiae*, Pk.  
 { *Dothidella Kalmiae*, Sacc.  
 Leptosphaeria *Kalmiae*, Pk.  
 { *Hysterium exaridum*, C. & P.  
 { *Lophodermium exaridum*, C. & P.  
 { *Sphaeria (Depazea) kalmicola*, S.  
 { *Sphaerella colorata*, Pk.  
 Synchytrium *Vaccinii*, Thomas.

***Kalmia glauca*, Ait.**

{ *Sphaerella haematodes*, B. & C.  
 { *Laestadia haematodes*, Cke.  
 Venturia *Kalmiae*, Pk.

***Kalmia latifolia*, L.**

Antennaria *semiovata*, B. & Br.  
 { *Stilbum atrocephalum*, Ell.  
 { *Arthrobotryum atrocephalum*, Sacc.  
 { *Phacidium exasperans*, S.  
 { *Asterina exasperans*, B. & C.  
 Cercospora *sparsa*, Cke.  
 { *Ceuthospora foliicola*, (Cke.), var. *Kalmiae*, Sacc.  
 { *Cytospora foliicola*, Lib., var. *Kalmiae*, Sacc.  
 Dacryomyces *deliquescens*, (Bull.) Duby.  
 Hysterium *Kalmiae*, S.

***Lophodermium exaridum*, C. & P.**

{ *Sphaeria longispora*, Ell.  
 { *Ophioceras longisporum*, Sacc.  
 Pestalozzia *kalmicola*, Ell. & Ev.  
 { *Sphaeria Kalmiarum*, S.  
 { *Sphaeria (Depazea) kalmicola*, S.  
 { *Depazea kalmicola*, Rav.  
 { *Septoria kalmicola*, B. & C.  
 { *Phyllosticta kalmicola*, Cke.

{ *Sphaeria Andromedarum*, S.  
 { *Sphaeria kalmicola*, Rav. Fung. Amer.  
 { *Valsa Peckii*, Howe.  
 { *Valsaria Peckii*, Sacc.  
 { *Pseudovalsa Peckii*, Cke.  
 { *Sphaeria atriella*, C. & E.  
 { *Zignoella atrella*, Sacc.  
 { *Psilosphaeria atrella*, Cke.

***Kalmia*, sp. indet.**

Arthrosporium *compositum*, Ell.  
 Cylindrocolla *lactea*, Sacc. & Ell.  
 Helminthosporium *subopacum*, C. & E.  
 { *Peziza subiculata*, S.  
 { *Tapesia subiculata*, Sacc.  
 { *Sphaeria strigosa*, A. & S.  
 { *Lasiosphaeria strigosa*, Sacc.  
 { *Sphaeria hysterioides*, S.  
 { *Lophiostoma hysterioides*, Sacc.  
 { *Lophiosphaera hysterioides*, Cke.  
 { *Dothidea chalybea*, S.  
 { *Phyllachora chalybaea*, Sacc.  
 { *Dothidea denigrans*, S.  
 { *Phyllachora denigrans*, Sacc.  
 Sordaria *lutea*, Ell. & Ev.  
 Sphaeria *atrovirens*, A. & S.  
 Xyloma *sphaerioides*, S. Syn. Car.

***Ledum latifolium*, Ait.**

Aschochyta *Ledi*, Rostrup.  
 { *Uredo Ledi*, A. & S.  
 { *Chrysomyxa Ledi*, D By.  
 Colpoma *lacteum*, Pk.  
 Gloeosporium *Ledi*, Schrt.  
 Hypoderma *commune*, (Fr.) Duby.  
 { *Hysterium sphaerioides*, A. & S.  
 { *Lophodermium sphaerioides*, Duby.  
 Puccinia *Ledi*, B. & C.  
 Uredo *ledicola*, Pk.

***Ledum palustre*, L.**

Chrysomyxa *Ledi*, (A. & S.) D By.

***Ledum*, sp. indet.**

Lophodermium *maculare*, (Fr.) De Not.

***Leucothoe acuminata*, Don.**

Asterina *diploidoides*, B. & C.  
 { *Hysterium variegatum*, B. & C.  
 { *Hypoderma variegatum*, Duby.  
 Phyllosticta *Leucothoes*, Ell. & Martin.  
 Sphaeria *atrovirens*, A. & S.  
 Xyloma *sphaerioides*, S. Syn. Car.

*Leucothoe axillaris*, Don.

- { *Hysterium Andromedae*, S.
- { *Sporomega Andromedae*, Duby p.p.
- { *Sphaerella Leucothoes*, Cke.
- { *Laestadia Leucothoes*, Sacc.
- { *Xyloma hysterioides*, P.
- { *Hysterium folicolum*, Fr.
- { *Lophodermium hysterioides*, Sacc.

*Phoma Andromedae*, S.

*Sphaeria Andromedae*, S.

*Sphaeria Andromedarum*, S.

*Leucothoe racemosa*, Gray.

- Dermatea lobata*, Ell.
- Ramularia Andromedae*, Ell. & Martin.
- Rhytisma decolorans*, Fr.
- { *Hysterium Vaccinii*, Carm.
- { *Sporomega cladophila*, (Lev.) Duby.
- Valsa delicatula*, C. & E.
- Venturia pezizoides*, Sacc. & Ell.

*Loiseleuria procumbens*, Desv.

- Phoma herbarum*, Westd.
- Sphaerella inconspicua*, Schrt.

*Monotropa uniflora*, L.

- Vermicularia Dematium*, (P.) Fr.

*Monotropa*. sp. indet.

- { *Hysterium plantarum*, S.
- { *Hypoderma plantarum*, Cke.

*Oxydendrum arboreum*, DC.

- { *Racodium ramosum*, S.
- { *Oedemium ramorum*, Fr.
- { *Dematium ramosum*, S.
- { *Peziza gelatinosa*, Bull.
- { *Exidia recisa*, Fr.
- { *Sistotrema olivaceum*, S.
- { *Hydnnum olivaceum*, Fr.

*Hysterium flexuosum*, S.

- { *Hysterium variegatum*, B. & C.
- { *Hypoderma variegatum*, Duby.
- { *Hysterium Vaccinii*, Carm.
- { *Sporomega cladophila*, (Lev.) Duby.

*Stictis radiata*, P.

- { *Peziza Andromedae*, S.
- { *Cenangium Andromedae*, Fr.
- { *Tympanis Andromedae*, Fr.

*Pirola elliptica*, Nutt.

- { *Caeoma (Aecidium) pirolatum*, S.
- { *Chrysomyxa pirolata*, Wint.
- { *Uredo Pirolae*, (Gmel.) Mart.
- { *Melampsora Pirolae*, Schrt.

*Pirola minor*, L.

- Chrysomyxa Pirolae*, (DC.) Rostrup.

*Pirola rotundifolia*, L.

- { *Caeoma (Aecidium) pirolatum*, S.
- { *Uredo pirolata*, Körn.
- { *Chrysomyxa pirolata*, Wint.
- { *Chrysomyxa Pirolae*, (DC.) Rostrup.

{ *Uredo Pirolae*, (Gmel.) Mart.

{ *Caeoma Pirolae*, Schl.

{ *Trichobasis Pirolae*, B.

{ *Thecopsora? Pirolae*, Karst.

{ *Melampsora Pirolae*, Schrt.

*Phyllosticta Pirolae*, Ell. & Ev.

- { *Ovularia Pirolae*, Trelease.
- { *Ramularia Pirolae*, Ell. & Ev.

*Zygodesmus Pirolae*, Ell. & Halsted.

*Pirola rotundifolia*, L., var. *pumila*, Hook.

- Cladosporium herbarum*, (P.) Lk.
- Heterosporium variabile*, Cke.
- Phoma Pirolae*, (Ehrb.) Rostrup.
- Pyrenophora comata*, (Niessl) Sacc.
- Sphaerella Pirolae*, Rostrup.

*Pirola secunda*, L.

- Chrysomyxa pirolata*, (S.) Wint.
- { *Uredo Pirolae*, (Gmel.) Mart.
- { *Trichobasis Pirolae*, B.
- { *Melampsora Pirolae*, Schrt.

*Septoria Pirolae*, Ell. & Martin.

*Rhododendron arboreum*, Smith.

- Sphaeria Kalmiarum*, S.

*Rhododendron Catawbiense*, Michx.

- Hendersonia concentrica*, Ell. & Ev.
- Pestalozzia Guepini*, Desm.

*Rhododendron Lapponicum*, Wahl.

- Dimerosporium oreophilum*, Speg.

*Rhododendron maximum*, L.

- Agaricus Rhododendri*, Pk.
- Cenangium palmatum*, S.
- Cephalotrichum rigescens*, Lk.
- Coryneum Rhododendri*, S.
- Coryneum triseptatum*, Pk.
- { *Pestalozzia Mariae*, Clinton.
- { *Dochmolopha Clintonii*, Cke.
- { *Cryptostictis Mariae*, Sacc.
- { *Sphaeria denigrata*, S.
- { *Eutypa denigrata*, Cke.

*Hendersonia concentrica*, Ell. & Ev.

- { *Hysterium Rhododendri*, S.
- { *Coccomyces Rhododendri*, Cke.
- { *Lophodermium Rhododendri*, Pk.
- { *Sphaeria inconstans*, S.
- { *Ohleria inconstans*, Cke.

*Phacidium Rhododendri*, S.

- { *Polyporus Rhododendri*, S.
- { *Poria Rhododendri*, Cke.

*Phyllosticta maxima*, Ell. & Ev.

*Sphaerella oblivia*, Cke.

*Rhododendron nudiflorum*, Torr.

- { *Uredo minima*, S.
- { *Caeoma (Uredo) Azaleae*, S.

*Melampsora Vacciniorum*, (Lk.) Schrt.

Ⓜ *Hysterium abietinum*, S. Syn. Car. p. p.  
 Ⓜ *Hysterium Azaleae*, S.  
 Ⓜ *Sporomega Andromedae*, Duby p. p.  
 Ⓜ *Colpoma Azaleae*, Cke.  
*Dacryomyces Azaleae*, S.  
*Exobasidium Azaleae*, Pk.  
 ?*Microsphaera Platani*, Howe  
*Ramularia angustata*, Pk.  
*Sphaeria Azaleae*, S.  
 Ⓜ *Periconia Azaleae*, Pk.  
 Ⓜ *Sporocybe Azaleae*, Sacc.  
***Rhododendron occidentale***, Gray.  
*Diatrype asterostoma*, B. & C.  
*Exobasidium decolorans*, Hark.  
*Sphaeria (Leptosphaeria) Californica*, Cke.  
 & Hark.  
***Rhododendron Rhodora***, Don.  
*Exobasidium Vaccinii*, (Fckl.) Wor.  
*Caeoma (Uredo) Vacciniorum*, Lk.  
***Rhododendron viscosum***, Torr.  
*Caeoma (Uredo) Azaleae*, S.  
*Exobasidium discoideum*, Ell.  
*Exobasidium Vaccinii*, (Fckl.) Wor.  
*Hypocrea consimilis*, Ell.  
 Ⓜ *Sphaeria viscosa*, C. & E.  
 Ⓜ *Melogramma fuliginosum*, Ell. p. p.  
 Ⓜ *Physalospora viscosa*, Sacc.  
 Ⓜ *Sphaeria xylariaespora*, C. & E.  
 Ⓜ *Rosellinia xylarispora*, Sacc.  
 Ⓜ *Sphaeronema hystricinum*, Ell.  
 Ⓜ *Sphaerographium hystricinum*, Sacc.  
*Synchytrium Vaccinii*, Thomas.  
*Valsa decidua*, C. & E.  
***Rhododendron***, sp. indet.  
 Ⓜ *Sphaeria aperta*, S.  
 Ⓜ *Amphisphaeria aperta*, Cke.  
 Ⓜ *Sphaeronema Rhododendri*, S.  
 Ⓜ *Aposphaeria Rhododendri*, Sacc.  
*Botrytis laxa*, S.  
*Coryneum depressum*, Kze. & Schm.  
 Ⓜ *Hydnnum sudans*, A. & S.  
 Ⓜ *Dacrina hydnoideum*, S. Am. bor.  
*Thelebolus sudans*, Fr.  
*Dacryobolus sudans*, Fr.  
 Ⓜ *Dermatea crypta*, Cke.  
 Ⓜ *Scleroderris crypta*, Sacc.  
*Diatrype asterostoma*, B. & C., var. *minor*,  
 Cke. & Hark.  
*Hysterium abbreviatum*, S.  
*Hysterium teres*, S.  
 Ⓜ *Irpea fuscescens*, S.  
 Ⓜ *Irpea cinnamomeus*, Fr.  
*Patellaria Rhododendri*, S.  
*Phacidium corticale*, S.  
*Physarum cæspitosum*, S.  
*Schizoxylon Persoonii*, S.  
*Septoria Rhododendri*, Cke.  
 ? *Sphaeria strigosa*, A. & S.  
*Sphaeria truncata*, Fr.  
*Sphaeronema cladoniscus*, Fr.  
 Ⓜ *Sphaeronema echinatum*, B. & C.  
 Ⓜ *Sphaerographium echinatum*, Sacc.  
*Sphaeria (Thyridium) ambleia*, C. & E.  
*Tremella Stictis*, A. & S.  
 Ⓜ *Sphaeria rhizina*, S.  
 Ⓜ *Valsa rhizina*, Cke.  
*Valsa subclypeata*, C. & P.  
***Vaccinium arboreum***, Marshall.  
*Corticium simulans*, B. & Rav.  
 Ⓜ *Peziza albocitrina*, Cke.  
 Ⓜ *Dasyscypha albocitrina*, Sacc.  
*Podosporium praelongum*, B. & C.  
*Rhytisma Vaccinii*, (S.) Fr.  
*Septoria albopunctata*, Cke.  
*Sphaerella Vaccinii*, Cke.  
***Vaccinium Canadense***, Kalm.  
 Ⓜ *Calyptospora Goeppertia*, Kühn.  
 Ⓜ *Melampsora Goeppertia*, Wint.  
*Synchytrium Vaccinii*, Thomas.  
***Vaccinium corymbosum***, L.  
*Calyptospora Goeppertia*, Kühn.  
 Ⓜ *Cenangium asterinosporum*, Ell. & Ev.  
 Ⓜ *Dothiora asterinospora*, Sacc.  
 Ⓜ *Peziza Kalmiae*, Pk.  
 Ⓜ *Dermatea Kalmiae*, Cke.  
 Ⓜ *Valsa corymbosa*, C. & E.  
 Ⓜ *Diaporthe corymbosa*, Sacc.  
 Ⓜ *Sphaeria concolor*, S.  
 Ⓜ *Diatrype concolor*, Cke.  
*Hypocrea citrinella*, Ell.  
*Marasmius cucullatus*, Ell.  
 Ⓜ *Sphaeria nidulans*, S.  
 Ⓜ *Chaetosphaeria nidulans*, Rehm.  
 Ⓜ *Meliola nidulans*, Cke.  
 Ⓜ *Microsphaera Friesii*, var. *Vaccinii*,  
 C. & P.  
 Ⓜ *Microsphaera Vaccinii*, C. & P.  
 Ⓜ *Peziza mollisiaeoides*, S.  
 Ⓜ *Helminthosporium humile*, Sacc.  
 Ⓜ *Tapesia mollisioides*, Sacc.  
*Ramularia Vaccinii*, Pk.  
*Sphaerella Gallae*, Ell. & Ev.  
*Sphaerella Vaccinii*, Cke.  
*Sphaeria vaccinicola*, S.  
*Sphaeria vexata*, C. & E.  
 Ⓜ *Hysterium Vaccinii*, Carm.  
 Ⓜ *Sporomega cladophila*, (Lev.) Duby.  
 Ⓜ *Hysterium degenerans*, Fr.  
 Ⓜ *Sporomega degenerans*, Cda.  
 Ⓜ *Caeoma (Uredo) Vacciniorum*, Lk.  
 Ⓜ *Thecopsora Vacciniorum*, Karst.  
 Ⓜ *Melampsora Vacciniorum*, Schroet.  
*Valsa delicatula*, C. & E.  
 Ⓜ *Sphaeria quadrispora*, S.  
 Ⓜ *Valsa quadrispora*, Cke.  
 Ⓜ *Valsa Peckii*, Howe.  
 Ⓜ *Valsaria Peckii*, Sacc.  
 Ⓜ *Pseudovalsa Peckii*, Cke.

*Vaccinium macrocarpon*, Ait.  
*Exobasidium Vaccinii*, (Fckl.) Wor.  
*Pestalozzia Guepini*, Desm.  
*Synchytrium Vaccinii*, Thomas.  
 { *Sphaeria cincinnata*, Fr.  
 { *Venturia cincinnata*, Rostrup.  
*Venturia compacta*, Pk.

*Vaccinium ovalifolium*, Smith.  
*Calyptospora Goeppertiana*, Kühn.

*Vaccinium ovatum*, Pursh.  
*Ceuthospora minima*, Cke. & Hark.  
 { *Phacidium album*, Phil. & Hark.  
 { *Coccomyces albus*, Sacc.

*Vaccinium Oxycoccus*, L.  
*Ramularia multiplex*, Pk.  
*Venturia cincinnata*, (Fr.) Rostrup.

*Vaccinium Pennsylvanicum*, Lam.  
*Lophodermium maculare*, (Fr.) De Not.  
 { *Calyptospora Goeppertiana*, Kühn.  
 { *Melampsora Goeppertiana*, Wint.  
 { *Erysiphe Vaccinii*, S.  
 { *Microsphaera Friesii*, var. *Vaccinii*, C. & P.  
 { *Microsphaera Vaccinii*, C. & P.  
*Monilia Peckiana*, Sacc. & Vogl.  
*Ramularia Vaccinii*, Pk.  
*Septoria difformis*, C. & P.

*Vaccinium stamineum*, L.  
 { *Xyloma punctatum*, S. Syn. Car. p. p.  
 { *Rhytisma Vaccinii*, (S.) Fr.

*Vaccinium uliginosum*, L.  
*Antennatula aretica*, Rostrup.  
*Dothidella Vaccinii*, Rostrup.  
*Exobasidium Vaccinii*, (Fckl.) Wor.  
*Hysterium degenerans*, Fr.  
*Lophodermium maculare*, (Fr.) De Not.  
 { *Sphaeropsis cymbaepora*, B. & C.  
 { *Phoma cymbispora*, Sacc.  
*Phoma leptidea*, (Fr.) Sacc.  
 { *Podosphaera myrtillina*, Kze.  
 { *Podosphaera Oxyacanthae*, (DC.) D By.  
*Sphaerella myrtillina*, Pass.  
*Venturia Myrtilli*, Cke.

*Vaccinium vacillans*, Solander.  
*Microsphaera Vaccinii*, (S.) C. & P.

*Vaccinium virgatum*, Ait.  
*Rhytisma Vaccinii*, (S.) Fr.

*Vaccinium Vitis-Idaea*, L.  
*Exobasidium Vaccinii*, (Fckl.) Wor.  
*Leptostroma punctiforme*, Wallr.  
*Lophodermium melaleucum*, (Fr.) De Not.  
 { *Calyptospora Goeppertiana*, Kühn.  
 { *Melampsora Goeppertiana*, Wint.  
*Phacidium Vaccinii*, Fr.  
*Phyllachora latitans*, (Fr.) Sacc.

*Vaccinium*, sp. indet.  
*Corticium cinereum*, Fr.

{ *Asterina clavuligera*, Cke.  
 { *Dimerosporium clavuligerum*, Martin.  
*Helminthosporium arctisporum*, C. & E.  
*Hymenochaete agglutinans*, Ell.  
 { *Corticium epichlorum*, B. & C.  
 { *Hymenochaete epichlora*, Cke.  
 { *Sphaeria leiostega*, Ell.  
 { *Metasphaeria leiostega*, Sacc.  
 { *Endophlaea leiostega*, Cke.  
*Oidium compactum*, C. & E.  
*Peziza fusca*, P.  
 { *Peziza subiculata*, S.  
 { *Tapesia subiculata*, Sacc.  
 { *Peziza virginella*, Cke.  
 { *Dasyscypha virginella*, Sacc.  
*Sphaeria punctulata*, C. & E.  
 { *Sphaeria picacea*, C. & E.  
*Anthostomella?* *picacea*, Sacc.  
*Xylosphaeria picacea*, C. & E.  
*Anthostoma picaceum*, C. & E.  
 { *Stictis linearis*, C. & E.  
 { *Xylogramma linearis*, Sacc.  
 { *Sphaeria paecilostoma*, B. & Br.  
 { *Zignoella paecilostoma*, Sacc.  
*Conisphaeria paecilostoma*, Cke.  
 { *Sphaeria subvestita*, Ell. & Ev.  
 { *Zignoella subvestita*, Berl. & Vogl.  
*Conisphaeria subvestita*, Cke.

## DIAPENSIACEAE.

*Diapensia Lapponica*, L.

*Sphaerella pachyasca*, Rostrup.  
 { *Stictis phacidoides*, Fr.  
 { *Trochila phacidoides*, Karst.

*Galax*, sp. indet.

*Glenospora melioloides*, M. A. Curtis.

## PLUMBAGINACEAE.

*Armeria Sibirica*, Turcz.

*Leptostroma herbarmum*, (Fr.) Lk.  
*Pleospora platyspora*, Sacc.

*Armeria vulgaris*, Willd.

*Aecidium Statices*, Desm.  
*Uromyces Limonii*, (DC.) Lev.

*Statice Limonium*, L.

{ *Aecidium Statices*, Desm.  
 { *Aecidium Limonii*, Pk.  
 { *Sphaeria Wrightii*, B. & C.  
 { *Physalospora Wrightii*, Sacc.  
 { *Laestadia Wrightii*, Cke.  
 { *Uromyces Limonii*, (DC.) Lev.  
 { *Uromyces Statices*, B. & C.  
 { *Uredo Statices*, De Toni.

*Statice*, sp. indet.

? *Puccinia sclerotioidea*, Cke.

## PRIMULACEAE.

*Androsace occidentalis*, Pursh.

{ Peronospora candida, Fckl.  
{ Peronospora Androsaces, Niessl.

*Dodecatheon Meadia*, L.

Phyllosticta Dodecathei, Trelease.  
Puccinia melanconoides, Ell. & Hark.

*Glaux maritima*, L.

Aecidium Glaucis, Dozy & Molkenb.

*Lysimachia quadrifolia*, L.

{ Aecidium Lysimachiae, S.  
Uredo Lysimachiae, Spreng.  
{ Caeoma (Aecidium) lysimachiatum, S.  
? { Caeoma (Aecidium) lysimachiatum, Lk.  
Aecidium Lysimachiae, (Schl.) Wallr.

Synchytrium aureum, Schrt.

*Lysimachia stricta*, Ait.

{ Aecidium Lysimachiae, S.  
Uredo Lysimachiae, Spreng.  
{ Caeoma (Aecidium) lysimachiatum, S.  
? { Caeoma (Aecidium) lysimachiatum, Lk.  
Aecidium Lysimachiae, (Schl.) Wallr.

Cercospora Lysimachiae, Ell. & Halsted.

*Lysimachia thyrsiflora*, L.

Aecidium Lysimachiae, S. ?

*Primula suffrutescens*, Gray.

Uromyces Nevadensis, Hark.

*Samolus Valerandi*, L.

Pleospora herbarum, (P.) Rabh.

*Steironema ciliatum*, Raf.

?Aecidium Lysimachiae, S.

Aecidium Lysimachiae, (Schl.) Wallr.

Puccinia Dayi, Clinton.

Septoria conspicua, Ell. & Martin.

Septoria Lysimachiae, Westd.

*Steironema lanceolatum*, Gray.

Aecidium Lysimachiae, (Schl.) Wallr. ?

*Trientalis Americana*, Pursh.

Septoria increscens, Pk.

*Trientalis Europaea*, L.

Sorosporium Trientalis, (B. & Br.) Wor.

## MYRSINACEAE.

*Jacquinia armillaris*, L.

Asterina paupercula, Ell. & Ev.

## SAPOTACEAE.

*Bumelia lanuginosa*, P.

{ Dothidea Bumeliae, S.  
{ Polystigma? Bumeliae, Sacc.

*Bumelia*, sp. indet.

Phoma circumscripta, Cke.

{ Sphaeropsis maculans, B. & C.  
{ Phoma maculans, Sacc.

Sphaerella Bumeliae, Cke.

## EBENACEAE.

*Diospyros Kaki*, L. f.

Cercospora Kaki, Ell. & Ev.

*Diospyros Virginiana*, L.

{ Xyloma Diospyri, S.  
Dothidea Diospyri, Fr.  
{ Asteroma Diospyri, M. A. Curtis.  
Sphaeria Persimmons, S.  
Dothidea parsimons, Fr.  
Melogramma Persimmons, M. A. Curtis.  
Botryosphaeria Persimon, Sacc.  
Helminthosporium Diospyri, Thm.  
Cercospora Diospyri, Thm.  
Cercospora fuliginosa, Ell. & Kell.  
Cercospora atra, Ell. & Ev.  
Dendrina Diospyri, B. & C.  
Gloeosporium Diospyri, Ell. & Ev.  
Myxormia hypospila, Cke.

Podosphaera Oxyacanthae, (DC.) D By.

{ Xyloma orbiculatum, S.  
Dothidea orbiculata, Fr.  
Phyllachora orbiculata, Sacc.  
Sphaeria Diospyri, S.  
Diatrype Diospyri, M. A. Curtis.  
Valsaria Diospyri, De Not.

*Diospyros*, sp. indet.

{ Agaricus meliigena, B. & Cke.  
Mycena meliigena, Sacc. Syll.

Pestalozzia Guepini, Desm.

{ Trametes rigida, B. & Mont.  
Polyporus rigidus, Rav.  
Polystictus rigidus, Cke.  
Polystictus rigens, Sacc. & Cub.

## STYRACACEAE.

*Halesia tetraptera*, L.

Polyporus Halesiae, B. & C.

*Symplocos tinctoria*, L' Her.

Exobasidium Symploci, Ell. & Martin.

{ Corticium epichlorum, B. & C.

{ Hymenochaete epichlora, Cke.

Sacidium Symploci, Cke.

Septoria stigma, B. & C.

Septoria Symploci, Ell. & Martin.

## OLEACEAE.

*Chionanthus Virginica*, L.

{ Sphaeria pirospora, Ell.  
Melogramma fuliginosum, Ell. p. p.  
Botryosphaeria pirospora, Sacc.  
Nectria aurigera, B. & Rav.  
Calonectria polythalamia, Sacc.

Diplodia Chionanthi, C. & E.

{ Sphaeropsis diatrypea, C. & E.

{ Phoma diatrypea, Sacc.

Septoria Chionanthi, Cke.

*Forestiera acuminata*, Poir.

Microsphaera Alni, (DC.) Wint.

*Fraxinus Americana*, L.

## PYRENOMYCETES.

- { *Valsa* *fraxinicola*, C. & P.
- { *Eutypella* *fraxinicola*, Sacc.
- { *Depazea* *fraxinicola*, M. A. Curtis.
- { *Laestadia* *fraxinicola*, Sacc.
- Leptosphaeria* *Fraxini*, Ell. & Ev.
- { *Sphaeria* *effigurata*, S.
- { *Sphaerella* *effigurata*, Cke.
- Sphaerella* *fraxinea*, Pk.
- { *Sphaeria* *fraxicola*, S.
- { *Sphaerella* *fraxinicola*, Cke.
- { *Sphaeria* *maculiformis*, P.
- { *Sphaerella* *maculiformis*, Awd.
- Sphaeria* *samarae*, S.
- Valsa* *fraxinina*, Pk.
- Valsa* *grisea*, Pk.

## SPHAEROPSIDEAE.

- Cytospora* *minuta*, Thm.
- { *Sphaeropsis* *hyalina*, B. & C.
- { *Phoma* *hyalina*, Sacc.
- { *Macrophoma* *hyalina*, Berl. & Vogl.
- Phyllosticta* *Fraxini*, Ell. & Martin.
- Septoria* *Fraxini*, Westd.
- Septoria* *submaculata*, Wint.
- { *Sphaeria* *Spina*, S.
- { *Sphaeronema* *Spina*, B. & Rav.
- { *Sphaeronema* *Fraxini*, Pk.
- { *Ceratostoma* *Spina*, Sacc.
- { *Sphaerographium* *Fraxini*, Sacc.
- Sphaeropsis* *biformis*, Pk.
- Sphaeropsis* *hyalina*, B. & C.
- Sphaeropsis* *phomatella*, Pk.

## MELANCONIEAE.

- Gloeosporium* *aridum*, Ell. & Holw.
- Gloeosporium* *decipiens*, Ell. & Ev.
- { *Gloeosporium* *punctiforme*, Ell. & Ev.
- { *Gloeosporium* *Everhartii*, Ell.
- Gloeosporium* *irregulare*, Pk.

## MISCELLANEA.

- Aecidium* *Fraxini*, S.
- { *Exosporium* *Tiliae*, Lk.
- { *Coryneum* *clavaesporium*, Pk.
- { *Exosporium* *clavisporum*, Sacc.
- Helotium* *sulfurellum*, Ell. & Ev.
- Phacidium* *fraxineum*, S.
- { *Polyporus* *fraxineus*, (Bull.) Fr.
- { *Fomes* *fraxineus*, Cke.
- { *Polyporus* *fraxinophilus*, Pk.
- { *Fomes* *fraxinophilus*, Sacc. Syll.
- Polyporus* *salicinus*, Fr.
- { *Epochnium* *quadratum*, Cke.
- { *Stemphylium* *quadratum*, Sacc.
- Fraxinus Oregana*, Nutt.
- { *Septogloeum* *Fraxini*, Hark.
- { *Gloeosporium* *Fraxini*, Ell. & Ev.
- Phoma* *samararum*, Desm.

*Fraxinus pubescens*, Lam.

- Gloeosporium* *fraxineum*, Pk.
- Piggotia* *Fraxini*, B. & C.
- { *Sphaeria* *candida*, S.
- { *Enslinia* *candida*, Fr.
- { *Poronia* *candida*, M. A. Curtis.

*Fraxinus sambucifolia*, Lam.

- Aecidium* *Fraxini*, S.
- { *Sphaeria* *pruinosa*, Fr.
- { *Dendrophoma* *pruinosa*, Sacc.
- { *Diatrype* *cercidicola*, B. & C.
- { *Hypoxylon* *suborbiculare*, Pk.
- Michenera* *Atrocreas*, B. & C.
- Peziza* *subvernalis*, Pk.

*Fraxinus viridis*, Michx. f.

- { *Aecidium* *Fraxini*, S.
- Caeoma* *fraxinatum*, Lk.
- Caeoma* (*Roestelia*) *fraxinites*, S.
- Uredo* *Fraxini*, Spreng.
- Roestelia* *Fraxini*, M. A. Curtis.
- { *Cercospora* *Fraxini*, Ell. & Kell.
- { *Cercosporella* *Fraxini*, Ell. & Kell.
- { *Cylindrosporium* *Fraxini*, Ell. & Ev.
- Cercospora* *Texensis*, Ell. & Gall.
- Cylindrosporium* *minor*, Ell. & Kell.
- Cylindrosporium* *viridis*, Ell. & Ev.
- Gloeosporium* *decipiens*, Ell. & Ev.
- { *Phyllactinia* *guttata*, Lev.
- { *Phyllactinia* *suffulta*, (Reb.) Sacc.
- Phyllosticta* *Fraxini*, Ell. & Martin.
- Phyllosticta* *viridis*, Ell. & Kell.
- Piggotia* *Fraxini*, B. & C.

*Fraxinus*, sp. indet.

## PYRENOMYCETES.

- Acrospermum* *Ravenelii*, B. & C.
- { *Diatrype* *rumpens*, Cke.
- { *Anthostoma* *rumpens*, Sacc.
- { *Nummularia* *rumpens*, Cke.
- { *Sphaeria* *euomphala*, B. & C.
- { *Botryosphaeria* *euomphala*, Sacc.
- { *Byssosphaeria* *euomphala*, Cke.
- { *Nectria* *polythalama*, B.
- { *Nectria* *aurigera*, B. & Rav.
- { *Calonectria* *polythalama*, Sacc.
- { *Calonectria* *aurigera*, Sacc.
- Chaetomium* *elatum*, Kze.
- { *Valsa* *Crataegi*, Curr.
- { *Diaporthe* *Crataegi*, Fckl.
- { *Sphaeria* *spiculosa*, A. & S.
- { *Diaporthe* *spiculosa*, Nits.
- { *Valsa* *angulata*, Fr.
- { *Diatrypella* *angulata*, Ces. & De Not.
- { *Diatrypella* *nigroannulata*, (Grev.) Nits.
- Eutypa* *echinata*, Ell. & Ev.
- { *Valsa* *stellulata*, Fr.
- { *Eutypella* *stellulata*, Sacc.
- { *Sphaeria* *polycocca*, B. & Rav.
- { *Fracchiaea* *heterogenea*, Sacc.

{ *Sphaeria petiolorum*, S.  
 { *Sphaeria amoena*, Auct. Amer.  
 { *Gnomoniella amoena*, var. *petiolorum*, Sacc.  
*Hypoxyylon argillaceum*, (P.) Fr.  
 { *Hypoxyylon colliculosum*, Rav. Fung. Am.  
 { ? *Hypoxyylon insidens*, (S.) Ell. & Ev.  
*Hypoxyylon concentricum*, (Bolt.) Grev.  
 { *Sphaeria enteromela*, S.  
 { *Hypoxyylon enteromelum*, B.  
*Hypoxyylon fuscopurpureum*, (S.) M. A. Curtis.  
*Hypoxyylon perforatum*, (S.) Fr.  
*Hypoxyylon rubricosum*, (Fr.) Mont.  
*Hysterium samarae*, Fr.  
 { *Hysterium Fraxini*, P.  
 { *Hysterographium Fraxini*, De Not.  
*Massaria vomitoria*, B. & C.  
 { *Sphaeria albicans*, S. Syn. Car.  
 { *Sphaeria mastoidea*, Fr.  
 { *Melomastia Friesii*, Nits.  
 { *Trematosphaeria mastoidea*, Wint.  
 { *Conisphaeria Friesii*, Cke.  
*Pleospora pustulans*, Ell. & Ev.  
 { *Sphaeria Aquila*, Fr.  
 { *Rosellinia Aquila*, De Not.  
 { *Sphaeria myriocarpa*, Fr.  
 { *Rosellinia myriocarpa*, Cke.  
*Sphaeria foveolaris*, S. Am. bor.  
 { *Sphaeria obducens*, Cke.  
 { *Teichospora obducens*, Fckl.  
 { *Strickeria obducens*, Cke.  
 { *Sphaeria corniculata*, Ehrh.  
 { *Diatrype corniculata*, Rav. Fung. Car.  
*Valsa corniculata*, M. A. Curtis.  
 { *Melogramma insidens*, B. nec S.  
 { *Melogramma grandinea*, B. sec. Cke.  
 { *Valsaria grandinea*, Berl. & Vogl.  
*Valsaria purpurea*, Pk.

## SPHAEROPSIDEAE.

*Cytospora Micheneri*, B. & C.  
 { *Hendersonia sphaerosperma*, B. & C.  
 { *Dichomera sphaerosperma*, Cke.  
*Phoma infossa*, Ell. & Ev.  
*Phyllosticta osteospora*, Sacc.  
*Phyllosticta variegata*, Ell. & Ev.  
*Septoria Besseyi*, Pk.  
*Sphaeroneimella carne*, Ell. & Ev.  
*Sphaeropsis Pennsylvanica*, B. & C.

## HYPHOMYCETES.

*Cercospora fraxinites*, Ell. & Ev.  
*Cladosporium simplex*, S.  
 { *Helicoma Berkeleyi*, M. A. Curtis.  
 { *Helicosporium Berkeleyi*, Sacc.  
*Sporidesmium compactum*, B. & C.  
 { *Tubercularia nigricans*, S.  
 { *Tubercularia dubia*, Lk.

## DISCOMYCETES.

{ *Peziza Fraxini*, S.  
 { *Tympanis Fraxini*, Fr.  
 { *Cenangium Fraxini*, Tul.  
 { *Peziza puberula*, B. & C.  
 { *Dasyscypha puberula*, Sacc.  
 { *Vibrissea turbinata*, Phil.  
 { *Heidotium vibrissoides*, Pk.  
 { *Gorgoniceps turbinata*, Sacc.  
 { *Gorgoniceps vibrissoides*, Sacc.  
*Peziza atrata*, P.  
*Stictis radiata*, P.

## HYMENOMYCETES.

{ *Agaricus haerens*, Pk.  
 { *Crepidotus haerens*, Pk.  
*Coprinus fuscescens*, (Schaeff.) Fr.  
*Corticium hepaticum*, B. & C.  
 { *Corticium Oakesii*, B. & C.  
 { *Aleurodiscus Oakesii*, Cke.  
 { *Tremella albida*, Huds.  
 { *Exidia albida*, Brefeld.  
*Hydnnum coraloides*, Scop.  
*Hydnnum strigosum*, Swartz.  
*Lentinus Dunalii*, (DC.) Fr.  
*Lentinus vulpinus*, Fr.  
*Marasmius minutulus*, Pk.  
*Panus dealbatus*, B.  
 { *Auricularia mesenterica*, (Dicks.) P.  
 { *Phlebia mesenterica*, Fr.  
*Phlebia pileata*, Pk.  
 { *Polyporus conchatus*, (P.) Fr.  
 { *Fomes conchatus*, Cke.  
 { *Mucronoporus conchatus*, Ell. & Ev.  
*Polyporus corticola*, Fr., var. b.  
*Polyporus immitis*, Pk.  
 { *Polyporus molluscus*, (P.) Fr.  
 { *Poria mollusca*, Cke.  
 { *Sphaeria pocula*, S.  
 { *Enslinia pocula*, Fr.  
 { *Polyporus pocula*, B. & C.  
 { *Polyporus subspadiceus*, Fr.  
 { *Poria subspadicea*, Cke.  
*Schizophyllum commune*, Fr.  
 { *Peziza amorpha*, P.  
 { *Thelephora amorpha*, Fr.  
 { *Corticium amorphum*, Fr.  
 { *Aleurodiscus amorphus*, Rabh.  
*Tremella colorata*, Pk.

## MISCELLANEA.

*Didymium eximium*, Pk.  
 { *Trichia angulata*, S.  
 { *Perichaena angulata*, Fr.  
 { *Nemaspora magna*, Grev.  
 { *Stilbospora magna*, Berk.  
 { *Melanconium magnum*, Berk.

*Ligustrum vulgare*, L.{ *Sphaeria Ligustri*, S.{ *Stictis Ligustri*, S.*Olea Europaea*, L.{ *Antennaria elaeophila*, Mont.*Olea*, sp. indet.{ *Septoria serpentaria*, Ell. & Martin.*Osmanthus Americanus*, Benth. & Hook.{ *Asterina discoidea*, Ell. & Martin.{ *Asterina oleina*, Cke.{ *Asterina purpurea*, Ell. & Martin.{ *Capnodium elongatum*, B. & Desm.{ *Dialonectria erubescens*, (Rob.) Cke.{ *Dothidea coccodes*, (Lev.) B. & C.{ *Fumago salicina*, (Mont.) Tul.{ *Helotium castaneum*, Sacc. & Ell.{ *Meliola amphitricha*, Fr.{ *Sphaerella oleina*, Cke.{ *Phyllosticta oleina*, Cke.*Phyllosticta sinuosa*, Ell. & Martin.*Syringa vulgaris*, L.{ *Sphaeria Syringae*, S. Am. Bor.{ *Botryosphaeria Syringae*, Cke.{ *Hysterium Syringae*, S.{ *Triblidium dealbatum*, Gerard.{ *Triblidium Syringae*, Cke.{ *Pseudographis dealbata*, Sacc.{ *Hysterographium Syringae*, Sacc.{ *Erysiphe Syringae*, S.{ *Microsphaera Friesii*, Lev.{ *Erysiphe penicillata*, Rav. Fung. Car. p. p.{ *Microsphaera Friesii*, Lev., var. *Syringae*, C. & P.{ *Microsphaera Alni*, (DC.) Wint.{ *Phyllosticta Halstedii*, Ell. & Ev.{ *Polyporus scutellatus*, S.{ *Fomes scutellatus*, Cke.{ *Sphaeropsis Syringae*, Pk. & Clinton.*Syringa*, sp. indet.{ *Sphaeria albomaculans*, S.{ *Amphisphaeria albomaculans*, Cke.{ *Cenangium fatisceps*, S.{ *Dacryomyces Syringae*, (Schum.) Fr.{ *Dacryomyces syringicola*, B. & C.{ *Lichenopsis sphaeroboloidea*, S.{ *Myrothecium roridum*, Tode.{ *Phoma Syringae*, B. & C.{ *Phyllosticta Syringae*, Westd.{ *Sporotrichum nitens*, (P.) Lk.{ *Sphaeria decorticans*, Fr.{ *Valsa decorticans*, Fr.{ *Sphaeria leucopis*, Fr.{ *Valsa leucopis*, Fr.{ *Valsa salicina*, (P.) Fr.

## APOCYNACEAE.

*Amsonia angustifolia*, Michx.{ *Torula microsora*, Thm.{ *Coleosporium apocynaceum*, Cke.*Amsonia Tabernaemontana*, Walt.{ *Aecidium Apocyni*, S.*Amsonia*, sp. indet.{ *Trichobasis Amsoniae*, Cke.{ *Uredo Amsoniae*, De Toni.*Apocynum androsaemifolium*, L.{ *Cercospora Apocyni*, Ell. & Kell.{ *Cylindrosporium Apocyni*, Ell. & Ev.*Apocynum cannabinum*, L.{ *Aecidium Apocyni*, S.{ *Caeoma (Aecidium) apocynatum*, Lk.{ *Cercospora Apocyni*, Ell. & Kell.{ *Cercosporella Apocyni*, Ell. & Kell.{ *Septogloeum Apocyni*, Pk.{ *Gloeosporium Apocyni*, Ell. & Ev.{ *Nectria Apocyni*, Pk.{ *Phyllosticta Apocyni*, Trelease.{ *Phyllosticta Apocyni*, Ell. & Martin.{ *Septoria littorea*, Sacc.*Apocynum*, sp. indet.{ *Erysiphe Montagnei*, Lev.{ *Pestalozziella Andersoni*, Ell. & Gall.*Nerium Oleander*, L.{ *Capnodium Nerii*, Rabh.{ *Capnodium elongatum*, B. & Desm., var.{ *Nerii*, Cke.{ *Chaetophoma foeda*, Sacc.{ *Dicranidion fragile*, Hark.{ *Diplodia Nerii*, Speg.{ *Haplosporella Nerii*, Sacc.{ *Macrosporium Nerii*, Cke.{ *Pestalozzia stellata*, B. & C., var. *Nerii*, Cke.{ *Phyllosticta Nerii*, Westd.{ *Septoria oleandrina*, Sacc.{ *Theclospora lateralis*, Hark.*Trachelospermum difforme*, Gray.{ *Cercospora repens*, Ell. & Ev.*Vinca minor*, L.{ *Diplodia Vincae*, Sacc.{ *Sphaeropsis Vincae*, Sacc. & Wint.{ *Strumella Vincae*, Cke. & Hark.

## ASCLEPIADACEAE.

*Acerates longifolia*, Elliott.{ *Aecidium Jamesianum*, Pk.*Acerates viridiflora*, Elliott.{ *Aecidium Jamesianum*, Pk.*Asclepiodora viridis*, Gray.{ *Cercospora Asclepiodora*, Ell. & Kell.{ *Cercospora fraxinea*, Ell. & Ev.*Asclepias amplexicaulis*, Michx.{ *Macrosporium asclepiadeum*, Cke.*Asclepias arenaria*, Torr.{ *Aecidium Jamesianum*, Pk.{ *Cercospora clavata*, (Gerard) Cke.{ *Cercospora Asclepiadis*, Ell.

*Asclepias Cornuti*, Decaisne.

- Aecidium Jamesianum, Pk.
- Alternaria tenuis, Nees.
- { Cercospora Asclepiadis, Ell.
- { Cercospora venturioides, Pk.
- { Asteroma capnoides, Ell.
- { Dimerosporium capnoides, Martin.
- Gloeosporium fusariooides, Ell. & Kell.
- Hysterium librincola, S.
- { Sphaeria cinerascens, S.
- { Sphaerella cinerascens, Cke.
- { Laestadia cinerascens, Sacc.
- { Dothidea Asclepiadis, S.
- { Phyllachora Asclepiadis, Sacc.
- { Dothidea cinerascens, S.
- { Phyllachora cinerascens, Sacc.
- Phyllactinia guttata, Lev.
- Phyllosticta Cornuti, Ell. & Kell.
- Sphaeria Asclepiadis, S.
- Sphaeria lilacina, S.
- Sphaeropsis sphaerospora, Pk.
- { Trichobasis Howei, Pk.
- { Uromyces Asclepiadis, Cke.
- { Uromyces Howei, Pk.

*Asclepias incarnata*, L.

- { Helminthosporium clavatum, Gerard.
- { Virgasporium clavatum, Cke.
- { Cercospora clavata, Cke.
- { Cercospora Asclepiadis, Ell.
- { Cercospora venturioides, Pk.
- { Dothidea ornans, S.
- { Phyllachora ornans, Sacc.
- Septoria asclepiadicola, Ell. & Ev.
- Uromyces Howei, Pk.

*Asclepias Jamesii*, Torr.

- Aecidium Jamesianum, Pk.
- Cercospora Asclepiadis, Ell.
- Cercospora Asclepiodora, Ell. & Kell.

*Asclepias obtusifolia*, Michx.

- Cercospora clavata, (Gerard) Cke.

*Asclepias ovalifolia*, Decaisne.

- Aecidium Jamesianum, Pk.

*Asclepias rubra*, L.

- Septoria asclepiadicola, Ell. & Ev.

*Asclepias speciosa*, Torr.

- Aecidium Jamesianum, Pk.
- Cercospora clavata, (Gerard) Cke.

*Asclepias tuberosa*, L.

- Aecidium Jamesianum, Pk.
- Diaporthe Asclepiadis, Ell. & Ev.
- Phyllosticta tuberosa, Ell. & Martin.
- Uromyces Howei, Pk.

*Asclepias verticillata*, L.

- Aecidium Brandegei, Pk.
- Nectria Apocyni, Pk.

*Asclepias*, sp. indet.

- Cladosporium molle, Cke.

## Diplodia asclepiadea, C. &amp; E.

## Fusarium roseum, Lk.

## ? Pestalozziella Andersoni, Ell. &amp; Gall.

*Gonolobus*, sp. indet.

## Meliola furcata, Lev.

## { Didymium obrusseum, B. &amp; C.

## { Physarum obrusseum, Rostf.

## Puccinia Gonolobi, Rav.

## LOGANIACEAE.

*Gelsemium sempervirens*, Ait.

## Asterina stomatophora, Ell. &amp; Martin.

## Cladosporium maculans, S.

## Sphaeria Jasmini, S.

*Gelsemium*, sp. indet.

## Nectria rubicarpa, Cke.

## { Sphaeria gelsemiata, Cke.

## { Physalospora gelsemiata, Sacc.

## { Sphaeria Aquila, Fr.

## { Rosellinia Aquila, De Not.

## GENTIANACEAE.

*Frasera speciosa*, Dougl.

## Capnodium puccinoides, Ell. &amp; Ev.

*Frasera*, sp. indet. ? ("Columbo.")

## { Leptosphaeria Harknessiana, Ell. &amp; Ev.

## { Heptameria Harknessiana, Cke.

*Gentiana affinis*, Griseb.*Gentiana Andrewsii*, Griseb.*Gentiana puberula*, Michx.*Gentiana quinqueflora*, Lam., var. *occidentalis*, Gray.

## Puccinia Gentianae, (Strauss) Lk.

*Gentiana alba*, Muhl.

## Phyllosticta gentianicola, (DC.) Fr.

*Gentiana crinita*, Fröl.

## Cercospora gentianicola, Ell. &amp; Ev.

*Gentiana linearis*, Fröl.

## Cercospora Gentianae, Pk.

*Gentiana ochroleuca*, Fröl.

## { Dothidea Gentianae, S.

## { Phyllachora Gentianae, Sacc.

*Halenia deflexa*, Griseb.

## Puccinia Haleniae, Arth. &amp; Holw.

*Limnanthemum lacunosum*, Griseb.

## Doassansia decipiens, Wint.

*Menyanthes trifoliata*, L.

## { Protomyces Menyanthis, D By.

## { Physoderma Menyanthis, D By.

## { Cladochytrium Menyanthis, D By.

*Pleurogyne rotata*, Griseb.

## Sphaerella pachyasca, Rostrup.

*Sabbatia angularis*, Pursh.

## Cercospora Sabbatiae, Ell. &amp; Ev.

## POLEMONIACEAE.

*Gilia ciliata*, Benth.  
*Gilia divaricata*, Torr.  
*Gilia longiflora*, Don.  
 Puccinia Giliae, Hark.  
*Gilia gracilis*, Hook.  
 Aecidium Giliae, Pk.  
 { Puccinia plumbaria, Pk.  
 { Puccinia Wilcoxiana, Thm.  
 Sphaerotheca Castagnei, Lev.  
*Gilia linearis*, Gray.  
 Puccinia plumbaria, Pk.  
 Sphaerotheca Castagnei, Lev.  
*Gilia Nuttallii*, Gray.  
 Aecidium Giliae, Pk.  
*Phlox caespitosa*, Nutt.  
 Sphaerella pachyasca, Rostrup.  
*Phlox caespitosa*, Nutt., var. *condensata*,  
 Gray.  
 Puccinia Giliae, Hark.  
*Phlox divaricata*, L.  
 Aecidium Polemonii, Pk.  
 Aecidium Wilcoxianum, Thm.  
 Cercospora omphakodes, Ell. & Holw.  
 Puccinia plumbaria, Pk.  
 { Septoria Phlogis, Sacc. & Speg. ?  
 { Septoria divaricata, Ell. & Ev.  
 Vermicularia phlogina, Fairman.  
*Phlox Douglasii*, Hook.  
 Aecidium Wilcoxianum, Thm.  
 Puccinia plumbaria, Pk., var. phlogina, Ell.  
 Sphaerella pachyasca, Rostrup.  
*Phlox Drummondii*, Hook.  
 Erysiphe lamprocarpa, Lev. p. p.  
 Oidium Drummondii, Thm.  
*Phlox longifolia*, Nutt.  
 Puccinia plumbaria, Pk.  
 Sphaerella phlogina, Ell. & Ev.  
*Phlox paniculata*, L.  
 { Erysiphe Cichoracearum, DC.  
 { Erysiphe Phlogis, S.  
 { Erysiphe lamprocarpa, Lev. p. p.  
 { Dothidea Phlogis, S.  
 { Phyllachora Phlogis, Sacc.  
 { Sphaeria Dematium, P.  
 { Vermicularia Dematium, Fr.  
*Phlox pilosa*, L.  
 Aecidium Polemonii, Pk.  
*Phlox*, sp. indet.  
 { Erysiphe communis, (Wallr.) Schl.  
 { Erysiphe Martii, Lev.  
 { Pleospora ciliata, Ell.  
 { Pyrenophora ciliata, Sacc.

*Polemonium humile*, Willd.

Phyllachora ? Polemonii, Hark.  
 Pleospora herbarum, (P.) Rabh.

*Polemonium reptans*, L.

Aecidium Polemonii, Pk.  
 Septoria Polemonii, Thm.  
 Septoria polemoniicola, Ell. & Martin.

## HYDROPHYLLACEAE.

*Ellisia Nyctelea*, L.

Aecidium Hydrophylli, Pk.

*Eriodictyon glutinosum*, Benth.  
 Torula glutinosa, Cke. & Hark.*Hydrophyllum appendiculatum*, Michx.*Hydrophyllum Canadense*, L.  
 Aecidium Hydrophylli, Pk.*Hydrophyllum Virginicum*, L.

Aecidium Hydrophylli, Pk.  
 { Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.  
 Puccinia Hydrophylli, Pk. & Clinton  
 Sphaerotheca Castagnei, Lev.

*Phacelia circinata*, Jacq. f.

Aecidium Phaceliae, Pk.  
 Erysiphe Cichoracearum, DC.

*Phacelia hispida*, Gray.*Phacelia ramosissima*, Dougl.  
 Aecidium Phaceliae, Pk.*Phacelia Menziesii*, Torr.

Erysiphe Cichoracearum, DC.

*Phacelia* sp. indet.

{ Dichomera Phaceliae, Cke. & Hark.  
 { Camarosporium Phaceliae, Sacc.  
 Diaporthe Phaceliae, Cke. & Hark.

## BORRAGINACEAE.

*Cynoglossum Virginicum*, L.

{ Aecidium asperifolii, P.  
 { Cacoma (Aecidium) urticatum, S. p. p.  
 Peronospora Cynoglossi, Burrill.

*Cynoglossum*, sp. indet.

Diplodia microscopica, Cke. & Hark.

*Echinospermum floribundum*, Lehm.

Peronospora Myosotidis, D By.

*Echinospermum Redowskii*, Lehm.

Erysiphe Cichoracearum, DC.

Oidium erysiphoides, Fr.

Peronospora Myosotidis, D By.

*Echinospermum Redowskii*, Lehm., var.  
 cupulatum, Gray.

Peronospora Cynoglossi, Burrill, var. Echi-  
 nospermi, Swingle.

*Echinospermum Virginicum*, Lehm.

{ Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.

*Heliotropium Curassavicum*, L.

Aecidium biforme, Pk.  
 Aecidium Heliotropii, Tracy & Gall.  
 Cercospora Heliotropii, Ell. & Ev.

*Kranitzkia*, sp. indet.

Synchytrium Myosotidis, Kühn.

*Lithospermum arvense*, L.

{ Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.  
 { Erysiphe horridula, Lev. p. p.

*Mertensia maritima*, Don.

Septoria Stenhammariae, Rostrup.  
 Sphaerella pachyasca, Rostrup.

*Mertensia Sibirica*, Don.

{ Erysiphe Cichoracearum, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.  
 Puccinia Mertensiae, Pk.

*Mertensia*, sp. indet.

{ Sphaeria Mertensiae, Ell.  
 { Leptosphaeria Mertensiae, Sacc.  
 { Heptameria Mertensiae, Cke.

*Myosotis verna*, Nutt.

Aecidium Myosotidis, Burrill.

Peronospora Myosotidis, DBy.

*Onosmodium Carolinianum*, DC.

Aecidium asperifolii, P. ?  
 { Sphaeria onosmodina, Pk. & Clinton.  
 { Sphaerella onosmodina, Pk.  
 { Didymella onosmodina, Sacc.

## CONVOLVULACEAE.

*Convolvulus arvensis*, L.

Puccinia Convolvuli, (P.) Cast.

*Convolvulus luteolus*, Gray.

Dothidea (Plowrightia) Calystegiae, Cke. & Hark.

Puccinia Convolvuli, (P.) Cast.

*Convolvulus sepium*, L.

{ Aecidium Calystegiae, Cast.  
 { Aecidium dubium, Clinton.

Dothidea (Plowrightia) Calystegiae, Cke & Hark.

Mazzantia sepium, Sacc. & Penz.

Puccinia Convolvuli, (P.) Cast.

Septoria Calystegiae, Westd.

{ Septoria Convolvuli, Desm.  
 { Septoria flagellaris, Ell. & Ev.

*Convolvulus villosus*, Gray.

Puccinia Convolvuli, (P.) Cast.

*Convolvulus*, sp. indet.

Phyllosticta Batatas, (Thm.) Cke.

{ Sphaerella brachytheca, Cke. & Hark.  
 { Sphaerella Harknessii, Sacc.

*Cuscuta Gronovii*, Willd.

Protomyces Martindalei, Pk.

*Evolvulus argenteus*, Pursh.

Puccinia Lithospermi, Ell. & Kell.

*Evolvulus*, sp. indet.

Aecidium Cressae, DC.

*Ipomoea Batatas*, Lam.

Ascophora nucuum, Cda.

Botrytis nivosa, Cke.

Cladosporium tuberum, Cke.

Coniosporium epiphyllum, Sacc.

{ Cystopus cubicus, Auct. p. p.

{ Cystopus Convolvulacearum, Zalewski.

{ Cystopus Ipomoeae-panduranae, (S.) Farl.

Fusarium tuberum, Cke.

Mucor Mucedo, L.

Mystrosporium polytrichum, Cke.

Ozonium auricomum, Lk.

{ Depazea Batatas, Thm.

{ Phyllosticta Batatas, Cke.

Phyllosticta bataticola, Ell. & Martin.

{ Sclerotium Batatas, S. ined.

{ Rhizoctonia Batatas, Fr.

Typhula gyrans, (Batsch) Fr.

*Ipomoea coccinea*, L.

Vermicularia Ipomoeae, S.

*Ipomoea commutata*, Roem. & Sch.

{ Cystopus cubicus, Auct. p. p.

{ Aecidium Ipomoeae, B.

{ Cystopus Tragopogonis, Auct. p. p.

{ Cystopus Ipomoeae-panduranae, (S.) Farl.

Puccinia crassipes, B. & C.

*Ipomoea hederacea*, Jacq.

Coleosporium Ipomoeae, (S.) Burrill.

{ Cystopus Convolvulacearum, Zalewski.

{ Cystopus Ipomoeae-panduranae, (S.) Farl.

*Ipomoea Jalapa*, Pursh.

{ Cystopus cubicus, Auct. p. p.

{ Cystopus Tragopogonis, Auct. p. p.

{ Cystopus Ipomoeae-panduranae, (S.) Farl.

*Ipomoea lacunosa*, L.

Cercospora Ipomoeae, Wint.

Coleosporium Ipomoeae, (S.) Burrill.

Cystopus Ipomoeae-panduranae, (S.) Farl.

*Ipomoea leptophylla*, Torr.

{ Cystopus cubicus, Auct. p. p.

{ Cystopus Convolvulacearum, Zalewski.

{ Cystopus Ipomoeae-panduranae, (S.) Farl.

*Ipomoea Nil*, Roth.

Cystopus Ipomoeae-panduranae, (S.) Farl.

*Ipomoea pandurata*, Meyer.

Cercospora Ipomoeae, Wint.

{ Uredo Ipomoeae, S.

{ Caeoma Ipomoeae, Lk.

{ Coleosporium Ipomoeae, Burrill.

{ Aecidium Ipomoeae-panduranae, S.  
 Uredo Convolvuli, Spreng.  
 Caeoma (Aecidium) convolvulatum, Lk.  
 Aecidium rutilum, Bon.  
 ? Aecidium Convolvuli, M. A. Curtis.  
 Cystopus cubicus, Auct. p. p.  
 Aecidium Ipomoeae, B.  
 Cystopus Convolvulacearum, Zalewski.  
 Cystopus Tragopogonis, Auct. p. p.  
 Cystopus Ipomoeae-panduranae, Farl.  
 Phyllosticta Ipomoeae, Ell. & Kell.  
***Ipomoea purpurea*, Lam.**  
 Cercospora viridula, Ell. & Ev.  
 Sphaeria capsularum, S.  
 Vermicularia Ipomoeae, S.  
***Ipomoea triloba*, L.**  
 { Uredo Ipomoeae, S.  
 Caeoma Ipomoeae, Lk.  
 Coleosporium Ipomoeae, Burrill.  
 Xyloma sphaerioides, S. Syn. Car.  
***Ipomoea*, sp. indet.**  
 { Puccinia crassipes, B. & C. ?  
 { Puccinia Ipomoeae, Cke.

## SOLANACEAE.

***Capsicum annuum*, L.**  
 Gloeosporium piperatum, Ell. & Ev.  
***Capsicum*, sp. indet.**  
 Labrella Capsici, Fr.  
***Camaesaracha nana*, Gray.**  
 Aecidium Solani, Mont.  
 Puccinia Solani, Cke.  
***Datura Stramonium*, L.**  
 Cercospora Daturae, Pk.  
 { Macrosporium Solani, Cke.  
 { Macrosporium Cookei, Sacc.  
 Macrosporium Solani, Ell. & Martin.  
 Phlyctaena arcuata, B.  
***Datura Tatula*, L.**  
 Sphaeria Daturae, S.  
***Datura*, sp. indet.**  
 Septoria phlyctaenoides, B. & C.  
 { Tremella Stictis, P.  
 { Agyrium rufum, Fr.  
***Lycium Andersonii*, Gray.**  
 Puccinia tumidipes, Pk.  
***Lycium Californicum*, Nutt.**  
 Puccinia globosipes, Pk.  
***Lycium vulgare*, Dunal.**  
 Cercospora Lycii, Ell. & Halsted.  
 Phyllosticta Lycii, Ell. & Kell.  
 Puccinia Lycii, Kalchb.  
***Lycium*, sp. indet**  
 Diplodina ramulorum, Ell. & Ev.  
 Tubercularia subpedicellata, S.

***Lycopersicum esculentum*, Mill.**  
 Cladosporium fulvum, Cke.  
 Cladosporium herbarum, (P.) Lk.  
 Dendryphium cladosporioides, Ell. & Ev.  
 { Nectria perpusilla, Rav. Fung. Car.  
 { Nectria Peponum, B. & C.  
 { Dialonectria Peponum, Cke.  
 Fusarium Lycopersici, Sacc.  
 Fusarium Solani, (Mont.) Sacc.  
 Gloeosporium phomoides, Sacc.  
 Helmintosporium rhopaloides, Fres.  
 { Macrosporium Solani, Cke.  
 { Macrosporium Cookei, Sacc.  
 Macrosporium Tomato, Cke.  
 Oidium lactis, Fres.  
 { Sphaeria rubella, P.  
 { Ophiobolus porphyrogenus, (Tode) Sacc.  
 Phyllosticta Lycopersici, Pk.  
 Phytophthora infestans, (Mont.) D By.  
 { Sporidesmium herbarum, Cke.  
 { Sirodesmium herbarum, Sacc.  
 Stachybotrys atrogrisea, Ell. & Ev.  
***Nicotiana Bigelovii*, Watson.**  
 Peronospora sordida, B. & Br. ?  
***Nicotiana glauca*, Graham.**  
 Peronospora Hyoseyami, D By.  
***Physalis lanceolata*, Michx.**  
 Aecidium Solani, Mont.  
 Cercospora diffusa, Ell. & Ev.  
 Cercospora Physalidis, Ell.  
 Cercospora Physalidis, Ell., var. concentrica, C. & E.  
 Entyloma Physalidis, (Kalchb. & Cke.) Wint.  
***Physalis pubescens*, L.**  
 Cercospora Physalidis, Ell.  
 Entyloma Physalidis, (Kalchb. & Cke.) Wint.  
 Leptosphaeria Physalidis, Ell. & Ev.  
***Physalis Virginiana*, Mill.**  
 Aecidium Solani, Mont.  
 { Protomyces Physalidis, Kalch. & Cke.  
 { Entyloma Besseyi, Farl.  
 { Entyloma Physalidis, Wint.  
***Physalis viscosa*, L.**  
 { Aecidium Solani, Mont.  
 { Aecidium Physalidis, Burrill.  
 { Entyloma Besseyi, Farl.  
 { Entyloma Physalidis, (Kalchb. & Cke.) Wint.  
 Puccinia Physalidis, Pk.  
***Solanum Dulcamara*, L.**  
 { Ramularia Dulcamarae, Pk.  
 { Cercospora Dulcamarae, Ell. & Ev.  
 Diplodia Dulcamarae, Fckl.  
***Solanum Melongena*, L.**  
 { Polyactis fascicularis, Cda.  
 { Botrytis fascicularis, Sacc.  
 Mystrosporium polytrichum, Cke.  
 Phlyctaena arcuata, B.

*Solanum nigrum*, L.

Entyloma Besseyi, Farl.

Macrophoma subconica, Ell. &amp; Ev.

*Solanum triflorum*, Nutt.

Entyloma Physalidis, (Kalchb. &amp; Cke.) Wint.

*Solanum tuberosum*, L.

{ Nectria Brassicae, Ell. &amp; Sacc.

{ Dialonectria Brassicae, Ell. &amp; Ev.

Fusarium diplosporum, C. &amp; E.

{ Fusisporium roseolum, H.O. Stephens.

{ Fusarium roseolum, Sacc.

{ Fusisporium Solani, Mart.

{ Fusarium Solani, Sacc.

{ Sphaeria comatella, C. &amp; E.

{ Leptosphaeria comatella, Sacc.

{ Heptameria comatella, C. &amp; E.

{ Sphaeria Doliolum, P.

{ Leptosphaeria Doliolum, De Not.

Macrosporium Solani, Ell. &amp; Martin.

{ Sphaeria rubella, P.

{ Raphidospora rubella, Fckl.

{ Ophiobolus porphyrogonus, (Tode) Sacc.

Phoma eupyrena, Sacc.

{ Sphaeria nebulosa, P.

{ Phoma nebulosa, Mont.

{ Botrytis infestans, Mont.

{ Peronospora infestans, Casp.

{ Phytophthora infestans, D By.

Torula herbarum, Lk.

Verticillium lateritium, (B.) Cke.

Volutella ciliata, (Lk.) Fr.

*Solanum umbelliferum*, Esch.

Phoma Solani, Cke. &amp; Hark.

*Solanum*, sp. indet.

{ Botrytis diffusa, var. b, S. Syn. Car.

{ Botrytis ramulosa, Lk.

Phyllosticta Solani, Ell. &amp; Martin.

Sphaeria rubicunda, S.

Sphaeria Solani, P.

## SCROPHULARIACEAE.

*Bartsia alpina*, L.

Asteroma Bartsiae, Rostrup.

Mollisia atrata, (P.) Karst.

Septoria cercosperma, Rostrup.

*Castilleja coccinea*, Spreng.

Aecidium Pentastemonis, S.

*Castilleja sessiliflora*, Pursh.

Aecidium Pentastemonis, S.

*Chelone glabra*, L.

Aecidium Chelonis, Gerard.

{ Erysiphe Cichoracearum, DC.

{ Erysiphe Chelones, S.

{ Erysiphe lamprocarpa, Lev. p. p.

{ Erysiphe communis, Auct. Amer. p. p.

Microthyrium microscopicum, Desm.

Periconia albiceps, Pk.

Septoria Wilsoni, Clinton.

*Collinsia bartsiæfolia*, Benth.

Entyloma Collinsiae, Hark.

*Collinsia parviflora*, Dougl.

Aecidium Collinsiae, Ell. &amp; Ev.

*Gerardia grandiflora*, Benth.

Sphaerotheca Castagnæi, Lev.

*Gerardia quercifolia*, Pursh.

Aecidium Gerardiae, Pk.

Cercospora clavata, (Gerard) Cke.

Erysiphe Gerardiae, S.

{ Sphaeria comatella, C. &amp; E.

{ Leptosphaeria comatella, Sacc.

Vermicularia Gerardiae, S.

*Gratiola ramosa*, Walt.

Septoria Gratiolæ, Ell. &amp; Martin.

*Herpestis*, sp. indet.

Vermicularia rectispora, Cke.

*Linaria Canadensis*, Dumont.

Peronospora Linariae, Fckl.

*Linaria vulgaris*, Mill.

Entyloma Linariae, Schrt.

{ Peziza corneola, C. &amp; P.

{ Heterosphaeria Linariae, (Rabh.) Rehm.

*Mimulus alatus*, Solander.

Cercospora Mimuli, Ell. &amp; Ev.

*Mimulus glutinosus*, Wendl.

{ Amphisphaeria dothidea spora, Cke. &amp; Hark.

{ Melanomma dothidea spora, Cke. &amp; Hark.

{ Sphaeria anisometra, Cke. &amp; Hark.

{ Metasphaeria anisometra, Sacc.

{ Endophlaea anisometra, Cke. &amp; Hark.

Stictis radiata, P., var. pumila, Cke. &amp; Hark.

*Mimulus luteus*, L.

Erysiphe Cichoracearum, DC.

Ramularia Mimuli, Ell. &amp; Kell.

*Mimulus ringens*, L.

Aecidium Pentastemonis, S.

Aecidium Pentastemonis, S., forma Mimuli, Wint.

Ramularia Mimuli, Ell. &amp; Kell.

Rhabdospora Kellermani, Ell. &amp; Martin.

{ Septoria Mimuli, Ell. &amp; Kell.

{ Septoria Mimuli, Wint.

{ Septoria purpureocincta, Wint.

*Mimulus*, sp. indet.

Diatrype prominens, Cke. &amp; Hark.

*Pedicularis Canadensis*, L.

Puccinia Clintonii, Pk.

*Pedicularis euphrasioïdes*, Stephan.

Helminthosporium nanum, Nees.

Phoma Sceptri, Karst.

Sphaerella trichophila, Karst.

*Pedicularis flammea*, L.

Phoma Sceptri, Karst.

*Pleospora vulgaris*, Niessl.  
*Sphaerella trichophila*, Karst.  
***Pedicularis hirsuta*, L.**  
*Phoma herbarum*, Westd.  
*Phoma irregularis*, Rostrup.  
*Phoma Sceptri*, Karst.  
*Pleospora herbarum*, (P.) Rabh.  
*Pleospora vulgaris*, Niessl.  
*Pyrenophora chrysospora*, (Niessl.) Sacc.  
*Sphaerella pedicularis*, Karst.  
*Sphaerella trichophila*, Karst.  
***Pedicularis Langsdorffii*, Fisch., var. *lana-***  
*ata*, Gray.  
*Sphaerella Pedicularis*, Karst.  
***Pedicularis Lapponica*, L.**  
*Phoma herbarum*, Westd.  
*Phoma Sceptri*, Karst.  
*Pyrenophora comata*, (Niessl.) Sacc.  
***Pentstemon barbatus*, Nutt., var. *Torreyi*,**  
*Gray.*  
*Aecidium Pentastemonis*, S.  
***Pentstemon breviflorus*, Lindl.**  
*Triblidium turgidulum*, Phil. & Hark.  
***Pentstemon caeruleus*, Nutt.**  
*Aecidium Pentastemonis*, S.  
***Pentstemon centranthifolius*, Benth.**  
*Septoria Pentstemonis*, Ell. & Ev.  
***Pentstemon Cobaea*, Nutt.**  
*Aecidium Pentastemonis*, S.  
*Cercospora Pentstemonis*, Ell. & Kell.  
***Pentstemon corymbosus*, Benth.**  
*Septoria Pentstemonis*, Ell. & Ev.  
***Pentstemon glaber*, Pursh.**  
*Aecidium Pentastemonis*, S.  
***Pentstemon gracilis*, Nutt.**  
 { *Aecidium Pentastemonis*, S.  
 { *Caeoma (Aecidium) pentstemoniatum*, S.  
***Pentstemon grandiflorus*, Nutt.**  
*Aecidium Pentastemonis*, S.  
*Cercospora Pentstemonis*, Ell. & Kell.  
***Pentstemon laevigatus*, Solander, var.**  
*Digitalis*, Gray.  
*Septoria Pentstemonis*, Ell. & Ev.  
***Pentstemon linarioides*, Gray.**  
*Puccinia Pentstemonis*, Pk.  
***Pentstemon pubescens*, Solander.**  
 { *Aecidium Pentastemonis*, S.  
 { *Caeoma (Aecidium) pentstemoniatum*, S.  
 { *Uredo Chelones*, Spreng.  
***Scrophularia Californica*, Cham.**  
*Coniothyrium herbarum*, C. & E.  
*Coniothyrium Scrophulariae*, (Fckl.) Sacc.  
*Diaporthe immutabilis*, Cke. & Hark.  
*Leptosphaeria consessa*, (C. & E.) Sacc.  
*Peronospora sordida*, B. & Br. .

*Septonema toruloideum*, C. & E.  
*Trichaegum atrum*, Preuss.  
***Scrophularia nodosa*, L., var. *Marilan-***  
*dica*, Gray.  
*Cylindrosporium Scrophulariae*, Sacc. & Ell.  
 { *Lophiostoma Scrophulariae*, Pk.  
 { *Lophiotrema Scrophulariae*, Sacc.  
 { *Lophiosphaera Scrophulariae*, Cke.  
*Peronospora sordida*, B. & Br.  
*Rhabdospora Kellermani*, Ell. & Martin.  
 { *Septoria Scrophulariae*, Westd.  
 { *Septoria Scrophulariae*, Pk.  
*Sphaerella decidua*, Ell. & Kell.  
***Seymeria macrophylla*, Nutt.**  
*Fusarium parasiticum*, Ell. & Kell.  
*Puccinia Seymeriae*, Burrill.  
***Synthyris*, sp. indet.**  
*Puccinia acrophila*, Pk.  
***Verbascum Blattaria*, L.**  
*Septoria verbascicola*, B. & C.  
***Verbascum Thapsus*, L.**  
*Cercospora verbascicola*, Ell. & Ev.  
 { *Sphaeria comatella*, C. & E.  
 { *Leptosphaeria comatella*, Sacc.  
 { *Sphaeria Thapsi*, S.  
 { *Lophiostoma Thapsi*, Sacc.  
*Phacidium capsulare*, S.  
 { *Sphaeria verbascicola*, S.  
 { *Phoma verbascicola*, Cke.  
*Phyllosticta verbascicola*, Ell. & Kell.  
*Ramularia variabilis*, Fckl.  
 { *Hysterium Verbasci*, S.  
 { *Schizothyrium Verbasci*, Sacc.  
***Verbascum*, sp. indet.**  
*Patellaria Verbasci*, S.  
 { *Peziza fuscobarbata*, S.  
 { *Lachnella fuscobarbata*, Sacc.  
*Peziza nigrescens*, Cke.  
*Sphaeria nigrita*, S.  
***Veronica alpina*, L.**  
*Leptosphaeria striata*, Wint.  
*Peronospora grisea*, Ung.  
*Phoma Veronicae*, Roum.  
*Puccinia Porteri*, Pk.  
*Puccinia Veronicarum*, DC.  
*Septoria Veronicae*, Rob.  
***Veronica arvensis*, L.**  
*Peronospora grisea*, Ung.  
***Veronica peregrina*, L.**  
*Entyloma Linariae*, Schrt.  
*Peronospora grisea*, Ung.  
*Ramularia Veronicae*, Fckl.  
***Veronica fruticosa*, L.**  
*Septoria semilunaris*, Johans.  
*Septoria Veronicae*, Rob.

*Veronica serpyllifolia*, L.  
*Erysiphe Labiatarum*, S. Am. bor.  
*Veronica Virginica*, L.  
*Puccinia Veronicarum*, D. C.  
*Septoria Veronicae*, Rob.  
*Sphaerotheca Castagnae*, Lev.

## BIGNONIACEAE.

*Bignonia capreolata*, L.  
 { *Polyactis grisea*, S.  
 { *Botrytis grisea*, Sacc.  
*Capnodium elongatum*, B. & Desm.  
*Cladosporium Bignoniae*, S.  
*Dimerosporium tropicale*, Speg.  
 { *Dothidea Bignoniae*, Fr.  
 { *Dothidea capreolatae*, S.  
 { *Dothidea ribesia*, Auct. Am. p. p.  
 { *Meliola furcata*, Rav. Fung. Am. 330.  
 { *Meliola bidentata*, Cke.  
*Oedemium atrum*, Lk.  
 { *Dematium crucigerae*, S.  
 { *Helminthosporium rigidum*, Fr.  
 { *Podosporium rigidum*, S.  
*Sphaeria sulcata*, Fr.  
*Catalpa bignonioides*, Walt.  
*Cercospora Catalpae*, Wint.  
*Cladosporium herbarum*, (P.) Lk.  
 { *Sporidesmium capsularum*, Thm.  
 { *Clasterosporium capsularum*, Sacc.  
*Macrosporium Catalpae*, Ell. & Martin.  
*Microsphaeria elevata*, Burrill.  
 { *Phyllactinia guttata*, Lev.  
 { *Phyllactinia suffulta*, (Reb.) Sacc.  
*Phyllosticta Bignoniae*, Westd.  
*Phyllosticta Catalpae*, Ell. & Martin.  
 { *Boletus distortus*, S.  
 { *Polyporus distortus*, Fr.  
*Catalpa speciosa*, Warder.  
*Capnodium axillatum*, Cke.  
*Cercospora Catalpae*, Wint.  
*Chaetophoma Catalpae*, Cke.  
*Microsphaera elevata*, Burrill.  
*Phyllactinia guttata*, Lev.  
 { *Sporidesmium compositum*, B. & Rav.  
 { *Sirodesmium compositum*, Sacc.  
*Catalpa*, sp. indet.  
*Exidia saccharina*, Fr.  
*Helminthosporium crustuosum*, S.  
 { *Sphaeria Catalpae*, S.  
 { *Hypoxyylon Catalpae*, Sacc.  
*Dothidea Catalpae*, B. & C.  
 { *Sphaeria subrugosa*, S.  
 { *Lophiostoma subrugosum*, Sacc.  
 { *Sphaeropsis Baculum*, Gerard.  
 { *Phoma Baculum*, Sacc.  
 { *Macrophoma Baculum*, Berl. & Vogl.

*Mucor truncorum*, Lk.  
*Nummularia Clypeus*, (S.) Cke.  
 { *Peziza leguminum*, S.  
 { *Helotium leguminum*, Cke.  
 { *Pezizella leguminum*, Sacc.  
 { *Sphaeria (Depazea) catalpicola*, S.  
 { *Sphaerella catalpicola*, Cke.  
*Sphaeronema Catalpae*, S.  
*Torula olivascens*, S.  
 { *Sphaeria sphinctrina*, Fr.  
 { *Valsa sphinctrina*, Fr.  
*Vermicularia angustata*, S.  
*Vermicularia petiolorum*, S.  
*Chilosiphis saligna*, Don.  
*Phyllosticta erysiphoides*, Sacc.  
*Tecoma radicans*, Juss.  
 { *Sphaeria Van Vleckii*, S.  
 { *Melogramma Van Vleckii*, B.  
 { *Botryosphaeria Van Vleckii*, Sacc.  
*Cercospora duplicata*, Ell. & Ev.  
*Cercospora pallida*, Ell. & Ev.  
*Cercospora sordida*, Sacc.  
*Cladosporium Bignoniae*, S.  
 { *Diplodia Tecomae*, Cke.  
 { *Diplodiella Tecomae*, Sacc.  
*Erysiphe Cichoracearum*, DC.  
*Hendersonia Peckii*, Clinton.  
*Leptostroma hysteroides*, Fr.  
 { *Peziza leguminum*, S.  
 { *Helotium leguminum*, Cke.  
 { *Pezizella leguminum*, Sacc.  
 { *Sphaeria Bignoniae*, S.  
 { *Valsa Bignoniae*, M. A. Curtis.  
 { *Valsaria Bignoniae*, S. in Herb. sec. Cke.  
 { *Pseudovalsa Bignoniae*, Cke.  
*Sacidium Bignoniae*, S.  
*Stictis Stigma*, C. & E.  
 { *Sphaeria Sacculus*, S.  
 { *Torsellia Sacculus*, Fr.  
 { *Sphaeria coronata*, Hoffm.  
 { *Valsa coronata*, Fr.  
*Tecoma stans*, Juss.  
 { *Puccinia appendiculata*, Wint.  
 { *Puccinia ornata*, Hark.

## PEDALIACEAE.

*Sesamum Indicum*, L.  
*Diplodia herbarum*, Lev.  
*Pistillaria micans*, (P.) Fr.

## ACANTHACEAE.

*Dianthera Americana*, L.  
*Cercospora Diantherae*, Ell. & Kell.  
*Dianthera humilis*, Engelm. & Gray.  
*Dimerosporium Langloisii*, Ell. & Martin.

*Ruellia ciliosa*, Pursh.

Cercospora consociata, Wint.

Puccinia lateripes, B. & Rav.

*Ruellia strepens*, L.

Puccinia lateripes, B. & Rav.

Vermicularia ovata, S.

*Ruellia*, sp. indet.

Uromyces Texensis, B. & C.

### VERBENACEAE.

*Callicarpa Americana*, L.

{ Melogramma Callicarpae, Cke.

{ Botryosphaeria Callicarpae, Cke.

Cercospora Callicarpae, Cke.

Coniothyrium Callicarpae, Cke.

Diatrype Callicarpae, B. & Rav.

{ Meliola amphitricha, Rav. Fung. Amer. 84.

{ Meliola Cookeana, Sacc. & Speg.

*Clerodendron*, sp. indet.

Septoria phlyctaenoides, B. & C.

*Lippia nodiflora*, Michx.

Cercospora Lippiae, Ell. & Ev.

*Phryma Leptostachya*, L.

Aecidium Phrymae, Halsted.

{ Gymnosporium Harknessioides, Ell. & Holw.

{ Coniosporium Harknessioides, Sacc.

{ Species spuria, sporae Piloboli.

Septoria Leptostachya, Ell. & Kell.

*Verbena angustifolia*, Michx.

Aecidium verbenicolum, Ell. & Kell.

Erysiphe Cichoracearum, DC.

Septoria Verbena, Rob.

*Verbena bracteosa*, Michx.

{ Aecidium Verbena, Speg.

{ Aecidium Verbenicolum, Ell. & Kell.

Erysiphe Cichoracearum, DC.

*Verbena hastata*, L.

Aecidium verbenicolum, Ell. & Kell.

Erysiphe Cichoracearum, DC.

Phyllosticta verbenicola, Martin.

{ Septoria Verbena, Rob.

{ Septoria Verbena, Gerard.

*Verbena stricta*, Vent.

{ Aecidium Verbena, Speg.

{ Aecidium verbenicolum, Ell. & Kell.

{ Erysiphe Cichoracearum, DC.

{ Erysiphe lamprocarpa, Lev. p. p.

*Verbena urticaefolia*, L.

{ Aecidium Verbena, Speg.

{ Aecidium verbenicolum, Ell. & Kell.

{ Erysiphe Cichoracearum, DC.

{ Erysiphe Verbena, S.

{ Erysiphe lamprocarpa, Lev. p. p.

{ Erysiphe communis, Auct. Amer. p. p.

Septoria Verbena, Rob.

*Verbena Xutha*, Lehm.

Cercospora verbenicola, Ell. & Ev.

*Verbena*, sp. indet.

Oidium erysiphoides, Fr.

*Vitex agnus-castus*, L.

Cercospora Viticis, Ell. & Ev.

Pyrenophaete minor, Ell. & Ev.

### LABIATAE.

*Audibertia humilis*, Benth.

{ Ophiobolus claviger, Hark.

{ Raphidospora claviger, Cke.

*Audibertia incana*, Benth.

Puccinia nigrescens, Pk.

*Audibertia stachyoides*, Benth.

{ Patellaria nigrocyanea, Phil. & Hark.

{ Durella nigrocyanea, Sacc.

Puccinia nigrescens, Pk.

*Blephilia hirsuta*, Benth.

Puccinia Menthae, P.

*Brunella vulgaris*, L.

Diaporthe Desmazierii, Niessl.

Ramularia Brunellae, Ell. & Ev.

Septoria Brunellae, Ell. & Holw.

Sphaerotheca Castagnei, Lev.

*Calamintha Clinopodium*, Benth.

Phacidium simulatum, B. & C.

Phyllosticta Calaminthae, Ell. & Ev.

{ Trichobasis Labiatarum, Lev.

{ Puccinia Menthae, P.

*Collinsonia Canadensis*, L.

{ Spondylocladium tenellum, Pk.

{ Gonatobotryum tenellum, Pk.

Helminthosporium interseminatum, B. & Rav.

*Collinsonia*, sp. indet.

Excipula majuscula, S.

{ Dothidea elliptica, S.

{ Phyllachora elliptica, Sacc.

*Cunila Mariana*, L.

Puccinia Menthae, P.

*Galeopsis Tetrahit*, L.

Septoria Galeopsidis, Westd.

*Hedeoma hispida*, Pursh.

Peronospora Hedeomae, Kell. & Swingle.

{ Puccinia Menthae, P.

{ Puccinia Menthae, P., var. Americana, Pk.

{ Septoria hedeomina, Pk.

{ Rhabdospora hedeomina, Sacc.

*Hyptis radiata*, Willd.

Asterina spuria, B. & C.

Uredo Hyptidis, M. A. Curtis.

*Isanthus caeruleus*, Michx.

Cercospora Isanthi, Ell. & Kell.

*Lamium*, sp. indet.

Oidium erysiphoides, Fr.

*Leonotis nepetaefolia*, R. Br.  
Cercospora Leonotidis, Cke.

*Leonurus Cardiaca*, L.  
Phyllosticta decidua, Ell. & Kell.

*Leonurus Marrubiastrum*, L.  
Septoria Lamii, Pass.

*Lophanthus nepetoides*, Benth.  
Peronospora Lophanthi, Farl.  
 { Dothidea Hyssopi, S.  
 { Phyllachora Hyssopi, Sacc.  
 { Stictis Hyssopi, S.  
 { Propolis Hyssopi, Cke.  
 { Puccinia Glechomatis, DC.  
 { Puccinia verrucosa, (Schultz) Lk.  
 { Puccinia Hyssopi, S.  
 Septoria Lophanthi, Wint.

*Lophanthus scrophulariaefolius*, Benth.  
Peronospora Lophanthi, Farlow.  
 { Puccinia verrucosa, (Schultz) Lk.  
 { Puccinia Hyssopi, S.

*Lophanthus*, sp. indet.  
 { Coniosporium Harknessioides, (Ell. & Holw.) Sacc.  
 { Species spuria, sporae Piloboli.  
 { Sphaeria Lophanthi, B. & C.  
 { Leptosphaeria Lophanthi, Sacc.  
 { Heptameria Lophanthi, Cke.

*Lycopus Europaeus*, L.  
Aecidium Lycopi, Gerard.  
Puccinia Menthae, P.

*Lycopus rubellus*, Moench.  
Cercospora Lycopi, Ell. & Ev.

*Lycopus Virginicus*, L.  
Aecidium Lycopi, Gerard.

*Marrubium vulgare*, L.  
Sphaeria (Pleospora) Labiatarum, Cke. & Hark.  
Synchytrium, sp.

*Mentha Canadensis*, L.  
 { Puccinia Menthae, P.  
 { Puccinia Menthae, P., var. Americana, Pk.  
Ramularia menthicola, Sacc.

*Mentha piperita*, L.  
Phyllosticta decidua, Ell. & Kell.  
Puccinia Menthae, P.

*Mentha*, sp. indet.  
 { Erysiphe Galeopsidis, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.

*Monarda Bradburiana*, Beck.  
Puccinia Menthae, P.

*Monarda citriodora*, Cerv.  
Puccinia Menthae, P., var. Americana, Pk.

*Monarda fistulosa*, L.  
 { Aecidium Menthae, DC.  
 { Puccinia Menthae, P.  
 { Puccinia Menthae, P., var. Americana, Pk.  
Synchytrium Holwayi, Farl.

*Monarda punctata*, L.  
Puccinia Menthae, P.

*Nepeta Cataria*, L.  
 { Sphaeria Catariae, C. & E.  
 { Didymella Catariae, Sacc.  
 { Diplodia herbicola, B. & C.  
 { Diplodina herbicola, Sacc.  
Phyllosticta decidua, Ell. & Kell.  
Septoria Nepetae, Ell. & Ev.

*Physostegia Virginica*, Benth.  
Puccinia Physostegiae, Pk. & Clinton.  
Septoria Physostegiae, Ell. & Ev.

*Pycnanthemum incanum*, Michx.  
 { Puccinia Menthae, P.  
 { Uredo Labiatarum, DC.  
 { Aecidium Menthae, DC.  
 { Puccinia Pycnanthemi, S. ?  
 { Uredo Clinopodii, S.  
 { Caeoma Labiatarum, Lk.  
 { Trichobasis Labiatarum, Lev.  
 { Trichobasis Labiatarum, Lev., var. Pycnanthemi, Rav. Fung. Amer.  
 { Puccinia Menthae, P., var. Americana, Pk.

*Pycnanthemum lanceolatum*, Pursh.  
 { Sphaeria Brachystemonis, S.  
 { Dothidea Brachystemonis, Fr.  
 { Phyllachora Brachystemonis, Sacc.  
Puccinia Menthae, P.

*Pycnanthemum linifolium*, Pursh.

*Pycnanthemum muticum*, P., var. *pilosum*, Gray.  
Puccinia Menthae, P.

*Pycnanthemum*, sp. indet.  
Darluca Filum, (Biv.) Cast.  
Sporidesmium Asteriscus, B. & C.

*Salvia azurea*, Lam.  
Puccinia Menthae, P.

*Salvia azurea*, Lam. var. *grandiflora*, Benth.  
Puccinia nigrescens, Pk.

*Salvia ballotaeflora*, Benth.  
 { Puccinia vertisepta, Tracy & Galloway.  
 { Diorchidium Tracyi, De Toni.

*Salvia lanceolata*, Willd.  
Peronospora Swinglei, Ell. & Kell.  
 { Puccinia nigrescens, Pk.  
 { Puccinia caulincola, Tracy & Gall.

*Salvia officinalis*, L.  
Coniothyrium salviicolum, Ell. & Ev.  
Crucibulum vulgare, Tul.

*Salvia*, sp. indet.  
 { Sphaeria salviaecola, C. & E.  
 { Diaporthe salviaecola, Sacc.

*Salvia*, sp. indet.  
Ovularia ovata, (Fckl.) Sacc.  
Peziza virginea, Batsch.  
 { Polyporus Salviae, B. & C.  
 { Poria Salviae, Cke.  
Volutella flexuosa, C. & E.

*Scutellaria lateriflora*, L.  
 { Erysiphe Galeopsidis, DC.  
 { Erysiphe communis, Auct. Amer. p. p.

*Scutellaria parvula*, Michx.  
 Erysiphe Galeopsidis, DC.

*Scutellaria tuberosa*, Benth.  
 Septoria Scutellariae, Thm.

*Scutellaria versicolor*, Nutt.  
 Cercospora Scutellariae, Ell. & Ev.

*Scutellaria*, sp. indet.  
 { Sphaeria rubella, P.  
 { Ophiobolus porphyrogenus, (Tode) Sacc.

*Sphaeole calycina*, Benth.  
 Hendersonia varians, Cke. & Hark.

*Stachys aspera*, Michx.

*Stachys bullata*, Benth.  
 Septoria Stachydis, Rob.

*Stachys palustris*, L.  
 { Erysiphe Galeopsidis, DC.  
 { Erysiphe Cichoracearum, Auct. Amer. p. p.

*Teucrium Canadense*, L.  
 Botrytis hypophylla, Ell. & Kell.  
 Caeoma (Uredo) Teucrui, S.  
 Cercospora racemosa, Ell. & Martin.  
 Cercospora Teucrui, Ell. & Kell.  
 { Erysiphe Galeopsidis, DC.  
 { Erysiphe lamprocarpa, Lev. p. p.  
 { Gymnosporium Harknessioides, Ell. &  
 Holw.  
 { Species spuria, sporae Piloboli.

*Thymus Serpyllum*, L.  
 Sphaerella pachyasca, Rostrup.

*Trichostema dichotomum*, L.  
 Septoria Trichostematis, Pk.

## PLANTAGINACEAE.

*Plantago decipiens*, Barneoud.  
 { Pleospora herbarum, (P.) Rabh.  
 { Pleospora Clarkeiana, Ell. & Ev.

*Plantago eriopoda*, Torr.  
 Aecidium Plantaginis, Ces.

*Plantago lanceolata*, L.  
 Aecidium Plantaginis, Ces.  
 Cercospora Plantaginis, Sacc.  
 Peronospora alta, Fckl.  
 Ramularia Plantaginis, Ell. & Martin.  
 Septoria inconspicua, B. & C.  
 { Sphaeria plantagincola, S.  
 { Sphaerella plantagincola, Cke.  
 Synchytrium plantagineum, Sacc. & Speg.

*Plantago major*, L.  
 Aecidium Plantaginis, Ces.  
 Asterina Plantaginis, Ell.  
 Cercospora Plantaginis, Sacc.

## APETALAE.

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### NYCTAGINACEAE.

*Abronia Crux-Maltae*, Kellogg.  
Peronospora Oxybaphi, Ell. & Kell.  
*Abronia latifolia*, Esch.  
Heterosporium Abroniae, Hark.  
*Abronia umbellata*, Lam.  
Peronospora Oxybaphi, Ell. & Kell.  
*Oxybaphus nyctagineus*, Sweet.  
Ascochyta Oxybaphi, Trelease.  
Cercospora Oxybaphi, Ell. & Halsted.  
Peronospora Oxybaphi, Ell. & Kell.

### ILLECEBRACEAE.

*Gymnocarpus*, sp. indet.  
Cercospora inquinans, Cke.

### AMARANTACEAE.

*Acnida cannabina*, L.  
Cystopus Bliti, (Biv.) Lev.  
*Acnida tuberculata*, Moq.  
Cystopus Bliti, (Biv.) Lev.  
*Alternanthera Achyrantha*, R. Br.  
Cercospora Alternantherae, Ell. & Langlois.  
*Amarantus albus*, L.  
Cystopus Bliti, (Biv.) Lev.  
Fusarium roseum, Lk.  
*Amarantus blitoides*, Watson.  
Cystopus Bliti, (Biv.) Lev.  
*Amarantus chlorostachys*, Willd., var.  
*hybridus*, Watson.  
Cystopus Bliti, (Biv.) Lev.  
*Amarantus paniculatus*, L.  
Caeoma (Uredo) Amaranthi, S.  
Cystopus Bliti, (Biv.) Lev.  
Cystopus Amaranthi, B.  
*Amarantus retroflexus*, L.  
Cercospora brachiata, Ell. & Ev.  
Caeoma (Uredo) Amaranthi, S.  
Cystopus Bliti, (Biv.) Lev.  
Cystopus Amaranthi, B.  
Phyllosticta Amaranthi, Ell. & Kell.  
*Amarantus*, sp. indet.  
Sphaeria eriophora, Cke.  
Leptosphaeria eriophora, Sacc.  
Heptameria eriophora, Cke.  
Sphaeria galbana, Fr.  
Perisporium Galba, Fr.

### CHENOPODIACEAE.

*Atriplex Magdalena*, Brandegee.  
Camarosporium Patagonicum, Speg.  
*Atriplex patulum*, L., var. *hastatum*,  
Gray.  
Peronospora effusa, (Grev.) Rabh.  
*Atriplex*, sp. indet.  
Ascochyta Atriplicis, Lasch, var. effusa, Ell.  
& Kell.  
*Beta vulgaris*, L.  
{ Cercospora beticola, Sacc.  
{ Cercospora longissima, C. & E.  
{ Uredo Betae, P.  
{ Trichobasis Betae, Lev.  
{ Uromyces Betae, Kühn.  
*Blitum capitatum*, L.  
Septoria Atriplicis, (Lasch) Fckl.  
*Chenopodium album*, L.  
Aecidium Ellisi, Tracy & Gall.  
{ Cercospora Chenopodii, Fres.  
{ Cercospora dubia, (Riess) Wint.  
{ Sphaeria picea, P.  
{ Diaporthe picea, Sacc.  
{ Diplodia hyalospora, C. & E.  
{ Diplodina Ellisi, Sacc.  
{ Leptosphaeria eutypoides, Pk.  
{ Heptameria eutypoides, Cke.  
{ Sphaeria acuminata, Sow.  
Peronospora effusa, (Grev.) Rabh.  
Peronospora effusa, (Grev.) Rabh., var.  
minor, D By.  
{ Sphaeria longissima, P.  
{ Phoma longissima, Westd.  
Pleospora calvescens, (Fr.) Tul.  
Ascochyta Atriplicis, Laseh.  
Septoria Atriplicis, Fckl.  
Phyllosticta Chenopodii, N. A. F.  
Phleospora Chenopodii, Ell. & Kell.  
Stagonospora Chenopodii, Pk.  
Septoria Westendorpii, Wint.  
*Chenopodium ambrosioides*, L.  
Phyllosticta ambrosioides, Thm.  
*Chenopodium ambrosioides*, L., var. *anthelminticum*, Gray.  
Chaetophoma anthelmintica, Cke.  
Fusisporium pallidoroseum, Cke.  
Fusarium pallidoroseum, Sacc.  
Sphaeria anthelmintica, Cke.  
Leptosphaeria anthelmintica, Sacc.  
Heptameria anthelmintica, Cke.

*Sporocybe byssoides*, (P.) Fr.  
*Chenopodium hybridum*, L.  
*Cercospora Chenopodii*, Fres.  
*Peronospora effusa*, (Grev.) Rabh.  
*Chenopodium*, sp. indet.  
 { *Sphaeria euspina*, C. & E.  
 { *Diaporthe euspina*, Sacc.  
 { *Sphaeria eriophora*, Cke.  
 { *Leptosphaeria eriophora*, Sacc.  
 { *Heptameria eriophora*, Cke.  
*Macrosporium commune*, Rabh.  
 { *Sphaeria galbana*, Fr.  
 { *Perisporium Galba*, Fr.  
 { *Dothidea Chenopodii*, S.  
 { *Phyllachora Chenopodii*, Sacc.  
 { *Dothidea ramosa*, S.  
 { *Phyllachora ramosa*, Sacc.  
 ? *Puccinia bullata*, S.  
*Sphaeria fumosa*, S.  
*Sphaeria rubicunda*, S.  
*Torula herbarum*, Lk.  
*Salicornia herbacea*, L.  
*Pleospora Salsolae*, Fckl.  
*Protomyces conglomeratus*, Pk.  
*Sarcobatus vermiculatus*, Torr.  
 { *Aecidium Sarcobati*, Pk.  
 { *Peridermium gracile*, Hark.  
*Hendersonia heterophragmia*, Ell. & Ev.  
*Spinacia oleracea*, Mill.  
 { *Cladosporium nodulosum*, Cke.  
 { *Cladosporium sudnodosum*, Cke.  
*Colletotrichum Spinaciae*, Ell. & Halsted.  
*Entyloma Ellisii*, Halsted.  
*Macrosporium Cheiranthi*, Fr.  
*Peronospora effusa*, (Grev.) Rabh.

## PHYTOLACCACEAE.

*Phytolacca decandra*, L.

## PYRENOMYCETES.

{ *Sphaeria aculeata*, S.  
 { *Sphaeria Berkeleii*, Auct. Amer.  
 { *Sphaeria spiculosa*, var. *Phytolaccae*, C. & E.  
 { *Diaporthe spiculosa*, Ell. N. A. F.  
 { *Diaporthe aculeata*, Sacc.  
 { *Sphaeria adelphica*, Cke.  
 { *Didymosphaeria adelphica*, Sacc.  
 { *Didymosphaerella adelphica*, Cke.  
 { *Sphaeria Himantia*, P.  
 { *Dothidea Himantia*, Fr.  
 { *Hymenula Phytolaccae*, B. & C.  
 { *Hymenella Phytolaccae*, B. & C.  
 { *Sphaeria clavigera*, C. & E.  
 { *Leptosphaeria clavigera*, Sacc.  
 { *Heptameria clavigera*, C. & E.

{ *Dothidea crustacea*, S.  
 { *Asteroma crustaceum*, M. A. Curtis.  
 { *Phyllachora crustacea*, Sacc..

{ *Dothidea elegans*, S.  
 { *Asteroma elegans*, M. A. Curtis.  
 { *Phyllachora elegans*, Sacc.  
 { *Dothidea inelegans*, S.  
 { *Asteroma inelegans*, M. A. Curtis.  
 { *Phyllachora inelegans*, Sacc.  
 { *Dothidea Phytolaccae*, S.  
 { *Phyllachora Phytolaccae*, Sacc.

*Sphaeria (Didymosphaeria) Cupula*, Ell.  
*Sphaeria lilacina*, S.

## SPHAEROPSIDEAE.

*Dinemasporium patellum*, C. & E.  
*Excipula erumpens*, B., var. *subhispida*, C. & E.

*Phlyctaena orthospora*, B. & C.  
 { *Septoria phlyctaenoides*, B. & C.  
 { *Phlyctaena septorioides*, Sacc.  
*Phlyctaena vagabunda*, Desm.  
*Phoma Phytolaccae*, B. & C.  
*Phyllosticta Phytolaccae*, Cke.  
*Vermicularia Dematium*, (P.) Fr.

## HYPHOMYCETES.

*Cercospora flagellaris*, Ell. & Martin.  
 { *Helminthosporium interseminatum*, B. & Rav.  
 { *Dendryphium nodulosum*, Sacc.  
 { *Fusisporium pallidoroseum*, Cke.  
 { *Fusarium pallidoroseum*, Sacc.  
*Fusarium roseum*, Lk.  
*Macrosporium abruptum*, C. & E.  
*Macrosporium caudatum*, C. & E.  
*Macrosporium cladosporioides*, Desm.  
 { *Torula herbarum*, Lk.  
 { *Monilia herbarum*, P.

## MISCELLANEA.

{ *Ophiotheca umbrina*, B. & C.  
 { *Perichaena variabilis*, Rostf.  
 { *Peziza pulviscula*, Cke.  
 { *Pezizella pulviscula*, Sacc.

## POLYGONACEAE.

*Chorizanthe pungens*, Benth.  
*Uromyces Chorizanthis*, Ell. & Hark.  
*Eriogonum latifolium*, Smith.  
*Phoma herbarum*, Westd.  
*Eriogonum multiceps*, Nees.  
*Uromyces Eriogoni*, Ell. & Hark.  
*Eriogonum racemosum*, Nutt.  
*Uromyces Arizonicus*, Tracy & Gall.

***Erigonum stellatum*, Benth.**

- { Uromyces intricatus, Cke.
- { Uromyces Chorizanthis, Ell. & Hark.
- { Uromyces Eriogoni, Ell. & Hark.
- { Uromyces Arizonicus, Tracy & Gall.
- { Uromyces Eriogoni, Ell. & Hark., var. foliicola, Ell. & Ev.

***Eriogonum tomentosum*, Michx.**

- ? Cercospora ferruginea, Fckl.
- Cercospora rubella, Cke.
- Pestalozzia? anomala, Hark.

***Eriogonum umbellatum*, Torr.**

- Uromyces Eriogoni, Ell. & Hark.

***Eriogonum virgatum*, Benth.**

- Pestalozzia? anomala, Hark.
- Uromyces Eriogoni, Ell. & Hark.

***Koenigia Islandica*, L.**

- Sphaerella Polygonorum, (Crié) Sacc.
- Ustilago Königiae, Rostrup.

***Oxyria digyna*, Hill.**

- Leptosphaeria Oxyriæ, Rostrup.
- Mollisia cinerea, (Batsch) Karst.
- Puccinia Oxyriæ, Fckl.
- Pyrenophora comata, (Niessl) Sacc.
- Septoria cercosperma, Rostrup.
- Sphaerella Polygonorum, (Crié) Sacc.
- Ustilago vinosa, (B.) Tul.

***Polygonella articulata*, Meisn.**

- { Sphaeria curvicolla, Pk.
- { Gnomoniella curvicolla, Sacc.
- { Gnomonia curvicolla, Cke.

***Polygonum acre*, HBK.**

- Cercospora Polygonorum, Cke.
- Cladosporium effusum, B. & C.
- Cladosporium pelliculosum, B. & C.
- Dialonectria (Nectriella) consors, Ell. & Ev.
- { Puccinia Polygoni-amphibii, P.
- { Uredo Polygonorum, DC.
- { Trichobasis Polygonorum, Rav. Fung. Am.

***Polygonum amphibium*, L.**

- { Puccinia Polygoni-amphibii, P.
- { Puccinia Polygoni, Reb.
- { Uredo Polygonorum, DC.
- { Puccinia Polygoni-Pensylvanici, S.
- { Puccinia Polygonorum, Schl.
- { Puccinia concentrica, S.
- { Puccinia Amphibii, Fckl.
- { Trichobasis Polygonorum, Rav. Fung. Am.
- Ramularia rufomaculans, Pk.
- { Caeoma utriculosum, Nees.
- { Ustilago utriculosa, Tul.

***Polygonum aviculare*, L.**

- Cercospora avicularis, Wint.
- { Peronospora Rumicis, Cda.
- { Peronospora Polygoni, Thm.
- { Puccinia vaginalium, Lk.
- { Uromyces Polygoni, (P.) Fckl.
- { Uromyces Aviculariae, Schrt.

Ustilago utriculosa, (Nees) Tul.

***Polygonum cilinode*, Michx.**

- { Ustilago anomala, J. Kunze.
- { Ustilago pallida, Schrt.

***Polygonum Convolvulus*, L.**

- Cercospora polygonacea, Ell. & Ev.
- Peronospora Polygoni, Thm.

***Polygonum dumetorum*, L., var. *scandens*, Gray.**

- Peronospora Ruminis, Cda.
- { Peronospora Polygoni, Thm.
- Ramularia rufomaculans Pk.
- Ustilago anomala, J. Kunze.

***Polygonum erectum*, L.**

- Cercospora avicularis, Wint.
- Uromyces Polygoni, (P.) Fckl.

***Polygonum Hartwrightii*, Gray.**

- { Puccinia Polygoni-amphibii, P.
- { Puccinia Polygonorum, Schl.

***Polygonum Hydropiper*, L.**

- Botrytis hypophylla, Ell. & Kell.
- { Cercospora Polygonorum, Cke.
- { Helminthosporium Hydropiperis, Thm.
- { Cercospora Hydropiperis, Speg.
- Septoria Polygonorum, Desm.
- { Ustilago Candollei, Tul.
- { Sphaelotheca Hydropiperis, (Schum.) D By.
- Ustilago Austro-Americanæ, Speg.
- Ustilago utriculosa, (Nees) Tul.

***Polygonum lapathifolium*, L., var. *incarnatum*, Watson.**

- { Ustilago Bistortarum, Auct. Amer.
- { Ustilago Austro-Americanæ, Speg.
- Ustilago utriculosa, (Nees) Tul.

***Polygonum Muhlenbergii*, Watson.**

- Pleospora compressa, Hark.
- { Puccinia Polygoni-amphibii, P.
- { Puccinia Polygonorum, DC.
- { Puccinia Amphibii, Fckl.
- Ramularia rufomaculans, Pk.

***Polygonum orientale*, L.**

- Septoria Polygonorum, Desm.

***Polygonum Pennsylvanicum*, L.**

- { Patellaria discolor, Mont. & Fr.
- { Mollisia discolor, Phil.
- { Puccinia Polygoni, Reb.
- { Puccinia Polygoni-Pensylvanici, S.
- { Puccinia Polygonorum, Schl.
- { Puccinia Amphibii, Fckl.
- Septoria Polygonorum, Desm.
- { Tilletia bullata, Auct. Amer.
- { Ustilago Bistortarum, Auct. Amer.
- { Ustilago Austro-Americanæ, Speg.
- Ustilago utriculosa, (Nees) Tul.

*Polygonum Persicaria*, L.

{ Peziza Polygoni, Lasch.  
 { Niptera Polygoni, Rehm.  
 { Peziza lactuosa, Cke.  
 { Mollisia Polygoni, Gill.

Septoria Polygonorum, Desm.

*Polygonum polymorphum*, Ledeb.

{ Pleospora compressa, Hark.  
 { Clathrospora permunda, (Cke.) Berl.  
 Kellermania Polygoni, Ell. & Ev.

*Polygonum ramosissimum*, Michx.

Uromyces Polygoni, (P.) Fckl.

*Polygonum sagittatum*, L.

{ Ustilago Candollei, Tul.  
 { Ustilago Hydropiperis, (Schum.) Schrt.  
 { Sphaelotheca Hydropiperis, D By.

Sphaeria Polygoni-sagittati, S.

*Polygonum Virginianum*, L.

{ Septoria complanata, B. & C.  
 { Phlyctaena complanata, Sacc.  
 { Puccinia Polygoni-amphibii, P.  
 { Puccinia Polygoni, Reb.  
 { Puccinia Polygonorum, Schl.  
 { Puccinia Amphibii, Fckl.

Ustilago Austro-Americanus, Sacc.

Vermicularia Polygoni-Virginici, S.

*Polygonum viviparum*, L.

Pleospora platyspora, Sacc.

Puccinia Bistortae, (Strauss) DC.

Ramularia Bistortae, Fckl.

Rhytisma Bistortae, (DC.) Rostrup.

Septoria Polygonorum, Desm.

Sphaelotheca Hydropiperis, (Schum.) D By.

Sphaerella Polygonorum, (Crié) Sacc.

Ustilago Bistortarum, (DC.) Schrt.

*Polygonum*, sp. indet.

{ Polyactis fascicularis, Cda.  
 { Botrytis fascicularis, Sacc.  
 { Sphaeria mortuosa, Ell.  
 { Anthostoma mortuosum, Sacc.  
 { Sphaeria eccentrica, C. & P.  
 { Gnomoniella eccentrica, Sacc.  
 { Gnomonia eccentrica, Cke.  
 { Sphaeropsis pulchrispora, Pk. & Clinton.  
 { Phoma callospora, Pk. & Clinton.

Stigmata Polygonorum, Fr.

*Rheum Rhaponticum*, L.

Phyllosticta Rhei, Ell. & Ev.

Septoria Rhapontici, Thm.

Vermicularia Polygoni-Virginici, S.

*Rumex Acetosella*, L.

Cercospora Acetosellae, Ell.

Diaporthe discrepans, Sacc.

Sphaerella Tassiana, De Not.

Sphaeria (Didymella) lophospora, (Sacc. & Speg.) Ell.

Ustilago utriculosa, (Nees) Tul., var. Ruminis, B.

*Rumex Brittanicus*, L.

Puccinia ornata, Arth. & Holw.  
 { Ramularia macrospora, Fres.  
 { Ramularia decipiens, Ell. & Ev.  
 Ramularia occidentalis, Ell. & Kell.  
 Ramularia pratensis, Sacc.  
 Ustilago Parlatorei, Fisch. Waldh.

*Rumex crispus*, L.

Cercospora Acetosellae, Ell., var. maculosa, Pk.

{ Ramularia macrospora, Fres.  
 { Peronospora obliqua, Cke.  
 { Ramularia obovata, Fckl.  
 { Ovularia obliqua, Oud.  
 { Ramularia decipiens, Ell. & Ev.

*Rumex obtusifolius*, L.

Cercospora Ruminis, Ell. & Langlois.  
 Cylindrosporium pulchrum, Speg.  
 { Ramularia macrospora, Fres.  
 { Ovularia obliqua, (Cke.) Oud.

*Rumex verticillatus*, L.

Excipula rumicicola, S.  
 Ramularia decipiens, Ell. & Ev.

*Rumex*, sp. indet.

{ Aecidium Ruminis, P.  
 { Caeoma (Aecidium) rubellatum, Lk.  
 Didymella lophospora, Sacc. & Speg., var. Acetosellae, Ell.  
 Phlyctaena arcuata, B.

## ARISTOLOCHIACEAE.

*Aristolochia Serpentaria*, L.

Cercospora serpentaria, Ell. & Ev.

*Aristolochia tomentosa*, Sims.

Sphaeropsis Squieriae, Clinton.

*Asarum arifolium*, Michx.

Sphaerella (Laestadia) asarifolia, Cke.

*Asarum Canadense*, L.

Synchytrium Asari, Arth. & Holw.

*Asarum Virginicum*, L.

{ Depazea concentrica, B. & C.  
 { Sphaeria concentrica, Sacc.  
 { Sphaerella concentrica, Cke.

*Asarum*, sp. indet.

{ Puccinia asarina, Kze.  
 { Puccinia Asari, Lk.

## PIPERACEAE.

*Saururus cernuus*, L.

Cercospora Saururi, Ell. & Ev.

## LAURACEAE.

*Lindera Benzoin*, Blume.

{ Diatrype microplaca, B. & C.  
 { Anthostoma microplacum, Sacc.  
 { Nummularia microplaca, Cke.

{ *Anthostomella ostiolata*, Ell. & Ev.  
 { *Anthostoma ostiolatum*, Cke.

*Asterina ramularis*, Ell.

{ *Sphaeria conferta*, S. Syn. Car.  
 { *Sphaeria confertula*, S. Am. bor.  
 { *Byssosphaeria conferta*, Cke.

{ *Cenangium concinnum*, B. & C.  
 { *Scleroderris concinna*, Sacc.

{ *Thelephora coerulea*, Schrad.  
 { *Thelephora Indigo*, S.  
 { *Corticium coeruleum*, Fr.

{ *Valsa sociata*, C. & E.  
 { *Diaporthe sociata*, Sacc.

*Diatrype Hystrix*, (Tode) Fr.

*Didymella Linderae*, Ell. & Ev.?

*Dothidea Linderae*, Gerard.

*Epicoccum neglectum*, Desm.

*Eutypella stellulata*, (Fr.) Sacc.

*Exidia glandulosa*, (Bull.) Fr.

*Helminthosporium Petersii*, B. & C.

*Hendersonia pauciseptata*, B. & C.

{ *Sphaeria callostroma*, S.  
 { *Hypoxylon callostroma*, B.

*Hypoxylon fuscum*, (P.) Fr.

{ *Graphium Linderae*, Ell. & Ev.  
 { *Isariopsis Linderae*, Sacc.

*Nectria ochroleuca*, (S.) M. A. Curtis.

{ *Peziza Daedalea*, S.  
 { *Tapesia Daedalea*, Sacc.

{ *Dothidea lauricola*, S.

{ *Phyllachora lauricola*, Sacc.

*Phyllosticta Linderae*, Ell. & Ev.

*Sphaeria rivulosa*, S.

*Sphaeropsis Linderae*, Pk.

{ *Coremium concentricum*, S.

{ *Sporocybe concentrica*, Sacc.

*Valsa Linderae*, Pk.

*Zythia rufa*, (Fr.) S.

*Litsea geniculata*, Benth. & Hook.

{ *Helminthosporium pistillare*, Cke.  
 { *Cercospora Berkeleyi*, Cke.

*Persea Carolinensis*, Nees.

#### PYRENOMYCETES.

{ *Diatrype hypophloea*, B. & Rav.  
 { *Anthostoma hypophloeum*, Sacc.  
 { *Nummularia hypophloea*, Cke.  
 { *Dothidea Lauri-Borboniae*, S.  
 { *Phyllachora Lauri-Borboniae*, Sacc.  
 { *Asterina? Lauri-Borboniae*, Cke.

*Asterina tenella*, Cke.

*Diatrype tenuissima*, Cke.

{ *Hysterium lineolatum*, Cke.  
 { *Gloniopsis lineolata*, Sacc.

{ *Hypoxylon Malleolus*, B. & Rav.  
 { *Hypoxylon concentricum*, Rav. Fung. Am.

*Hypoxylon Sassafras*, (S.) B.

{ *Sphaeria Pezizula*, B. & C.  
 { *Lasiosphaeria Pezizula*, Sacc.

*Lophium mytilinum*, (P.) Fr.

{ *Hysterium maculare*, Fr.  
 { *Lophodermium maculare*, De Not.

*Meliola amphitricha*, Fr.

*Melogramma mutilum*, var., Rav. Fung. Am.

{ *Diatrype microplaca*, B. & C.  
 { *Nummularia microplaca*, Cke.

*Phyllachora demersa*, (Cda.) Sacc.

{ *Dothidea Scutula*, B. & C.  
 { *Dothidella Scutula*, Sacc.

{ *Phyllachora Scutula*, Cke.  
 { *Hypoxylon subiculosum*, B.

{ *Rosellinia subiculata*, (S.) Sacc.

*Sphaerella exutans*, Cke.

*Valsa tetraploa*, B. & C.

#### SPHAEROPSIDEAE.

*Ceuthospora Cookei*, Thüm.

{ *Discosia nitidissima*, B. & C.  
 { *Discosia nitida*, Lev., var.

{ *Excipula recurvispora*, B. & C.  
 { *Excipulina recurvispora*, Sacc.

{ *Phyllosticta micropuncta*, Cke.  
 { *Phyllosticta Perseae*, Ell. & Martin.

#### HYPHOMYCETES.

{ *Cercospora purpurea*, Cke.  
 { *Cercospora Perseae*, Ell. & Martin.

*Circinotrichum maculiforme*, Nees.

*Helicotrichum obscurum*, (Cda.) Sacc.

*Helminthosporium velutinum*, Lk.

*Menispora cylindrica*, Cke.

*Sporidesmium velutinum*, Cke.

#### HYMENOMYCETES.

*Corticium effuscatum*, C. & E.

*Hydnium mucidum*, Gmel.

*Kneiffia setigera*, Fr.

*Polyporus cinereus*, S.

*Polyporus crocatus*, Fr.

{ *Polyporus fuscocarneus*, P.  
 { *Poria fuscocarnea*, Cke.

{ *Polyporus mutabilis*, B. & C.

{ *Polystictus mutabilis*, Cke.

{ *Polyporus rufus*, (Schrad.) Fr.

{ *Poria rufa*, Sacc. Syll.

{ *Xerotus Nigrita*, Lev.

{ *Anthracophyllum Nigrita*, Kalchb.

#### MISCELLANEA.

*Acinula candidans*, Fr.

*Cenangium Magnoliae*, B. & C.

*Pestalozzia laurina*, Mont.

*Pestalozzia maura*, Ell. & Ev.  
*Peziza scutellata*, L.  
*Tremella Myricae*, B. & Cke.  
 { *Trichocoma paradoxum*, Rav. Fung. Car.  
 { *Trichoscytale paradoxa*, B. p. p.  
 { *Trichocoma laevigata*, Massee.  
*Persea Carolinensis*, Nees. var. *palustris*, Chapm.  
*Asterina carneae*, Ell. & Martin.  
*Asterina delitescens*, Ell. & Martin.  
 { *Helminthosporium fumosum*, Ell. & Martin.  
 { *Brachysporium fumosum*, Sacc.  
*Helotium maculosum*, Ell. & Martin.  
*Isariopsis clavata*, Ell. & Martin.  
*Meliola amphitricha*, Fr.  
 { *Peziza gelatinosa*, Ell. & Martin.  
 { *Orbilia gelatinosa*, Sacc.  
*Sassafras officinale*, Nees.

## PYRENOMYCETES.

{ *Sphaeria biglobosa*, C. & E.  
 { *Diaporthe biglobosa*, Sacc.  
 { *Sphaeria pentagona*, S. Syn. Car.  
 { *Sphaeria goniostoma*, S.  
 { *Valsa goniostoma*, M. A. Curtis.  
 { *Eutypella pentagona*, Sacc. p. p.  
 { *Eutypella goniostoma*, Sacc.  
 { *Hysterium graphicum*, Fr.  
 { *Glonium graphicum*, Duby.  
*Gnomonia Sassafras*, Ell. & Ev.  
 { *Sphaeria Sassafras*, S.  
 { *Hypoxyylon Sassafras*, B.  
*Hysterium acuminatum*, Fr.  
*Lophium Sassafras*, S.  
 { *Sphaeria verrucosa*, S.  
 { *Nectria verrucosa*, Sacc.  
 { *Diatrype microplaca*, B. & C.  
 { *Nummularia microplaca*, Cke.  
*Nummularia punctulata*, (B. & Rav.) Sacc.  
 { *Dothidea Sassafras*, S.  
 { *Phyllachora Sassafras*, Sacc.  
 { *Sphaeria eriostega*, C. & E.  
 { *Physalospora eriostega*, Sacc.  
*Sphaerella Sassafras*, Ell. & Ev.  
*Sphaeria albofarceta*, S.  
*Sphaeria tingens*, S.  
 { *Sphaeria obducens*, Fr.  
 { *Teichospora obducens*, Fckl.  
 { *Strickeria obducens*, Cke.  
 { *Sphaeria acclinis*, S.  
 { *Valsa acclinis*, M. A. Curtis.  
 { *Valsa inclinis*, Sacc.  
 { *Sphaeria indistincta*, S.  
 { *Valsa indistincta*, Cke.  
*Valsa laurina*, C. & E.  
 { *Valsa nigrofacta*, C. & E.  
 { *Valsaria nigrificata*, Sacc.  
 { *Pseudovalsa nigrificata*, Cke.

## SPHAEROPSIDEAE.

{ *Sphaeria sphaerocephala*, S.  
 { *Cytospora sphaerocephala*, M. A. Curtis.  
 { *Depazea frondicola*, Fr.  
 { *Sphaeria frondicola*, Fr.  
 { *Diplodia decorticata*, C. & E.  
 { *Diplodiella decorticata*, Sacc.  
*Sphaeropsis Sassafras*, C. & E.  
*Sphaeropsis seriatus*, Pk.

## MELANCONIEAE.

{ *Phyllosticta Sassafras*, Cke.  
 { *Phyllosticta affinis*, Ell. & Kell.  
 { *Gloeosporium affine*, Ell. & Ev.  
*Melanconium foliicolum*, Pk.  
*Melanconium Sassafras*, S.  
*Pestalozzia funerea*, Desm.  
*Pestalozzia Sassafras*, Ell. & Ev.

## HYPHOMYCETES.

*Acremonium fuscum*, Schm.  
*Oidium subramosum*, Lk.  
 { *Dematium Penicillus*, S.  
 { *Actinocladium Penicillus*, Fr.  
 { *Coremium concentricum*, S.  
*Sporocybe concentrica*, Sacc.

## DISCOMYCETES.

{ *Cenangium concinnum*, B. & C.  
 { *Scleroderris concinna*, Sacc.  
 { *Sphaeria Patella*, (Tode) P.  
 { *Heterosphaeria Patella*, Grev.  
*Rhytisma Sassafras*, S.  
*Xyloma concentricum*, S. Syn. Car.

## HYMENOMYCETES.

*Merulius Corium*, (P.) Fr.  
 { *Boletus ferruginosus*, Schrad.  
 { *Polyporus ferruginosus*, Fr.  
*Polyporus Lindheimeri*, B. & C.  
 { *Polyporus Sassafras*, S.  
 { *Poria Sassafras*, Cke.  
*Trametes sepium*, B.  
*Umbellularia Californica*, Nutt.  
*Acrospermum corrugatum*, Ell.  
 { *Sphaeria Oreodaphnes*, Cke. & Hark.  
 { *Anthostomella Oreodaphnes*, Berl. & Vogl.  
 { *Anthostoma Oreodaphnes*, Cke. & Hark.  
*Asterina anomala*, Cke. & Hark.  
 { *Sphaeria moriformis*, Tode.  
 { *Bertia moriformis*, De Not.  
 { *Psilosphaeria moriformis*, Cke.  
*Blennoria Umbellulariae*, Cke. & Hark.  
*Capnodium Tuba*, Cke. & Hark.  
*Ceuthospora foliicola*, (Lib.) Cke.  
*Chalara brachyspora*, Sacc.

*Cladosporium Fumago*, Lk.  
*Corticium comedens*, (Nees) Fr.  
*Corticium laeve*, P.  
 { *Nectria Umbellulariae*, Plow. & Hark.  
 { *Dialonectria Umbellulariae*, Ell. & Ev.  
*Diatrypella decipiens*, Ell. & Ev.  
 { *Diplodia laurina*, Cke. & Hark.  
 { *Diplodia Harknessii*, Sacc.  
*Diplodia melaena*, Lev.  
*Fusarium personatum*, Cke.  
*Helotium aureum*, P.  
*Helotium pallescens*, (P.) Fr.  
*Hydnnum Stevensoni*, B. & Br.  
*Hypoxylon rubiginosum*, (P.) Fr.  
*Hypoxylon serpens*, (P.) Fr.  
*Irpea paradoxus*, (Schrad.) Fr.  
*Massaria pulchra*, Hark.  
*Midotis plicata*, Phil. & Hark.  
*Nectria cinnabarinia*, (Tode) Fr.  
*Nummularia Bulliardii*, Tul.  
*Pestalozzia coryneoidea*, Hark.  
*Polyporus ignarius*, (L.) Fr.  
*Radulum molare*, Fr.  
*Sphaerella Umbellulariae*, Cke. & Hark.  
*Sphaeria (Leptosphaeria) odora*, Cke. & Hark.  
 { *Epochnium glaucum*, Cke. & Hark.  
 { *Stemphylium glaucum*, Sacc.  
*Valsa Americana*, B. & C.  
*Zygodesmus pannosus*, B. & C.  
*Lauraceae*, sp. indet.  
 Cenangium Magnoliae, B. & C.  
 { *Sphaeria corniculata*, Ehrh.  
 { *Diatrype corniculata*, Rav. Fung. Car.  
*Thelephora episphaeria*, Fr.

## THYMELAEACEAE.

*Dirca palustris*, L.  
*Aecidium hydnoideum*, B. & C.  
*Fusarium lateritium*, Nees.  
*Daphne Mezereum*, L.  
*Dothidea Mezerei*, Fr.  
*Fusarium insepsum*, S.  
*Sphaeria Daphnidis*, S.

## ELAEAGNACEAE.

*Elaeagnus angustifolia*.  
*Septoria argyrea*, Sacc.  
*Elaeagnus longifolius*, P.  
*Phyllosticta argyrea*, Speg.  
*Shepherdia argentea*, Nutt.  
*Sphaerotheca Castagnei*, Lev.  
*Shepherdia Canadensis*, Nutt.  
*Aecidium Allenii*, Clinton.  
*Pleospora Shepherdiae*, Pk.

## LORANTHACEAE.

*Arceuthobium pusillum*, Pk.  
 { *Sphaeria Arceuthobii*, Pk.  
 { *Wallrothiella Arceuthobii*, Sacc.  
 { *Psilosphaeria Arceuthobii*, Cke.  
*Phoradendron flavescens*, Nutt.  
*Diplodia Phoradendri*, Cke.  
*Diplodia Visci*, (DC.) Fr.  
 { *Sphaeria atrovirens*, A. & S.  
 { *Sphaeropsis atrovirens*, Lev.  
 { *Melogramma Phoradendri*, B. & C.  
 { *Valsaria Phoradendri*, Berl. & Vogl.  
*Verticillium rosellum*, B. & C.

## SANTALACEAE.

*Comandra pallida*, A. DC.  
*Caeoma Comandrae*, Pk.  
 { *Cronartium asclepiadeum*, (Willd.) Fr., var.  
 { *Thesii*, B.  
*Cronartium Comandrae*, Pk.  
 { *Puccinia Thesii*, (Desv.) Chaill.  
 { *Puccinia Comandrae*, Pk.  
*Comandra umbellata*, Nutt.  
 { *Aecidium pustulatum*, M. A. Curtis.  
 { *Aecidium Hamiltoniae*, Thm.  
 { *Cronartium asclepiadeum*, (Willd.) Fr., var.  
 { *Thesii*, B.  
*Cronartium Comandrae*, Pk.  
*Tuberculina persicina*, (Ditm.) Sacc.

## EUPHORBIACEAE.

*Acalypha Virginica*, L.  
*Cercospora Acalyphae*, Pk.  
*Buxus sempervirens*, L.  
*Fusarium lateritium*, Nees.  
 { *Sphaeria Buxi*, DC.  
 { *Diplodia Buxi*, Fr.  
*Sphaeropsis Candollei*, B. & Br.  
*Phoma Candollei*, Sacc.  
*Macrophoma Candollei*, Berl. & Vogl.  
 { *Fusidium Buxi*, Schm.  
 { *Fusisporium Buxi*, Fr.  
*Penicillium roseum*, Lk.  
*Sphaeria (Depazea) buxicola*, Fr.  
*Volutella Buxi*, (Cda.) B.  
*Croton Californicus*, Müll.  
*Phyllachora Crotonis*, (Cke.) Sacc.  
*Croton capitatus*, Michx.  
 { *Melampsora Crotonis*, (Cke.) Burrill.  
 { *Pucciniastrum Crotonis*, De Toni.  
*Croton glandulosus*, L.  
*Cercospora crotonifolia*, Cke.  
*Melampsora Crotonis*, (Cke.) Burrill.  
*Croton monanthogynus*, Michx.  
 { *Aecidium Crotonopsidis*, Burrill.  
 { *Aecidium splendens*, Wint.

Trichobasis Crotonis, Cke.  
 Melampsora Crotonis, Burrill.  
 Pucciniastrum Crotonis, De Toni.  
***Croton procumbens*, Jacq.**  
 Trichobasis Crotonis, Cke.  
 Pucciniastrum Crotonis, De Toni.  
***Croton Texensis*, Müll.**  
 Melampsora Crotonis, (Cke.) Burrill.  
***Crotonopsis linearis*, Michx.**  
 Melampsora Crotonis, (Cke.) Burrill.  
 Pucciniastrum Crotonis, De Toni.  
***Euphorbia bicolor*, Engelm. & Gray.**  
 Darluca Filum, (Biv.) Cast.  
 Uromyces Euphorbiae, C. & P.  
 Uromyces myristica, B. & C.  
***Euphorbia commutata*, Engelm.**  
 Aecidium Cyparissiae, DC.  
***Euphorbia corollata*, L.**  
 Aecidium Pammelii, Trelease.  
 Cercospora Euphorbiae, Kell. & Swingle.  
 Microsphaera diffusa, C. & P.  
 Microsphaera Euphorbiae, B. & C.  
***Euphorbia dentata*, Michx.**  
 Aecidium Euphorbiae, S.  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia dictyosperma*, Fisch. & Mey.**  
 Uromyces tuberculatus, Fckl.?  
***Euphorbia glyptosperma*, Engelm.**  
 Peronospora Euphorbiae, Fckl.  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia heterophylla*, L.**  
 Aecidium Euphorbiae, S.  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia humistrata*, Engelm.**  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia Ipecacuanhae*, L.**  
 Fusicladium fasciculatum, C. & E.  
***Euphorbia maculata*, L.**  
 Aecidium Euphorbiae, S.  
 Peronospora Euphorbiae, Fckl.  
 Peronospora Cyparissiae, Farl. nec D By.  
 Uredo Euphorbiae, S. Syn. Car.  
 Uromyces Euphorbiae, C. & P.  
 Uromyces Euphorbiae, C. & P., var. minor,  
     Arthur.  
***Euphorbia marginata*, Pursh.**  
 Aecidium Euphorbiae, S.  
 Aecidium Pammelii, Trelease.  
 Botrytis cinerea, P.  
 Cladosporium solutum, Lk.  
 Helminthosporium herbarum, S.  
 Microsphaera Euphorbiae, B. & C.?  
 Sphaeria euphorbicolor, S.  
 Tubercularia persicina, Ditm.  
 Tubercularia persicina, Sacc.  
 Uromyces Euphorbiae, C. & P.  
 Uromyces Euphorbiae, C. & P., var. minor,  
     Arthur.  
***Euphorbia sebifera*, Michx.**  
 Cercospora Stillingiae, Ell. & Ev.  
 Phyllosticta Stillingiae, Ell. & Ev.  
 Uromyces Euphorbiae, C. & P., var. minor,  
     Arthur.  
***Euphorbia montana*, Engelm.**  
 Aecidium Euphorbiae, S.  
 Uromyces scutellatus, (Schrank) Lev.  
***Euphorbia petaloidea*, Engelm.**  
 Fusicladium fasciculatum, C. & E.  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia polygonifolia*, L.**  
 Aecidium Euphorbiae, S.  
***Euphorbia Preslii*, Guss.**  
 Aecidium Euphorbiae, S.  
 Caeoma (Aecidium) Euphorbiae-hyperici-  
     foliae, S. Am. bor.  
 Erysiphe Euphorbiae, Pk.  
 Fusicladium fasciculatum, C. & E.  
 Microsphaera Euphorbiae, B. & C.  
 Peronospora Euphorbiae, Fckl.  
 Uredo Euphorbiae, S. Syn. Car.  
 Uredo scutellata, S. Syn. Car.  
 Caeoma punctuosum, S. Am. bor.  
 Uredo punctuosum, Curt. Cat.  
 Uromyces apiculosus, Curt. Cat. p. p.  
 Uromyces Euphorbiae, C. & P.  
 Uromyces myristica, B. & C.  
***Euphorbia serpens*, HBK.**  
 Peronospora Euphorbiae, Fckl.  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia serpyllifolia*, P.**  
 Aecidium Euphorbiae, S.  
 Peronospora Euphorbiae, Fckl.  
 Uromyces Euphorbiae, C. & P.  
***Euphorbia*, sp. indet.**  
 Botryosporium prorumpens, S  
 Cladosporium Chaetomium, Cke.  
***Mallotus Japonicus*, Müll.**  
 Cercospora Malloti, Ell. & Ev.  
***Manihot Carthagenensis*, Müll.**  
 Ascochyta Carthagenensis, Sacc.  
 Dothiorella botrya, Sacc.  
 Sphaeropsis Janiphiae, Thm.  
 Phoma Janiphiae, Sacc.  
 Macrophoma Janiphiae, Berl. & Vogl.  
 Macrosporium fasciculatum, C. & E.  
***Ricinus communis*, L.**  
 Cercospora ricinella, Sacc. & Berl.  
 Cercospora albidomaculans, Wint.  
 Cladosporium solutum, Lk.  
 Epicoccum nigrum, Lk.  
 Sphaeropsis Ricini, Cke.  
 Phoma Ricini, Sacc.  
 Macrohomma Ricini, Berl. & Vogl.  
 Macrosporium compactum, Cke.  
***Stillingia sebifera*, Michx.**  
 Cercospora Stillingiae, Ell. & Ev.  
 Phyllosticta Stillingiae, Ell. & Ev.

## URTICACEAE.

*Boehmeria cylindrica*, Willd.

Aecidium Urticae, Schum.

Cercospora Boehmeriae, Pk.

Septoria tenuissima, Wint.

*Broussonetia papyrifera*, Vent.

Ozonium auricomum, Lk.

{ Sphaeria Papyriferae, S.

{ Valsa Papyriferae, Cke.

*Cannabis sativa*, L.

{ Septoria cannabina, Westd.

{ Septoria Cannabis, (Lasch.) Sacc.

{ Septoria cannabina, Pk.

Sphaeria Cannabis, S.

*Celtis occidentalis*, L.

Cercospora Spegazzinii, Sacc.

Didymosporium Celtis, S.

Dinemasporium radiatum, Ell. &amp; Ev.

Fusarium lateritium, Nees.

Gyroceras Celtidis, (Biv.) Mont. &amp; Ces.

Hendersonia Celtidis, Ell. &amp; Ev.

Hendersonia celtifolia, Cke.

{ Hysterium hiascens, B. &amp; C.

{ Blitridium hiascens, Sacc.

Phleospora Celtidis, Ell. &amp; Martin.

Phyllosticta Celtidis, Ell. &amp; Kell.

Ramularia Celtidis, Ell. &amp; Kell.

Septoria Celi-gallae, Gerard.

Sphaerella maculiformis, (P.) Awd.

Sphaerotheca phytophila, Kell. &amp; Swingle.

Uncinula parvula, C. &amp; P.

{ Uncinula polychaeta, B. &amp; C. in Grev.

{ Pleochaeta Curtisi, Sacc. &amp; Speg., p. p.

{ Uncinula confusa, Massee.

{ Uncinula polychaeta, B. &amp; C. in Rav. Fung. Car.

{ Erysiphe polychaeta, B. &amp; C. in Grev.

{ Pleochaeta Curtisi, Sacc. &amp; Speg., p. p.

{ Valsa Celtidis, Cke.

{ Valsaria Celtidis, Sacc.

{ Pseudovalsa Celtidis, Cke.

*Celtis*, sp. indet.

Acrospermum foliicolum, B.

{ Sphaeria Celtidis, B. &amp; C.

{ Didymella Celtidis, Sacc.

{ Endophlaea Celtidis, Cke.

Hymenochaete purpurea, Cke. &amp; Morg.

Hypoxyton notatum, B. &amp; C.

Lichenopsis sphaeroboloidea, S.

Macrosporium antennaeforme, B. &amp; C.

? Peziza succina, Phil.

Sphaeropsis Gallae, (S.) B. &amp; C.

Trichothecium roseum, Fr.

{ Diatrype obesa, B. &amp; C.

{ Valsaria quadrata, (S.) Sacc.

*Ficus Carica*, L.

{ Ceratostoma hystricinum, Cke.

{ Ceratostomella hystricina, Sacc.

Fusarium roseum, Lk.

Hysterium (Gloniella) syncophilum, Cke.

Melogramma (Botryosphaeria) Ficus, Cke.

Uredo Fici, Cast.

*Ficus laurifolia*, Lam.

Zygosporium oscheoides, Mont.

*Ficus*, sp. indet.

Cytospora ficicola, B. &amp; C.

Fusarium lateritium, Nees.

Fusarium microspermum, B. &amp; C.

{ Gibbera ficina, Cke. &amp; Hark.

{ Gibberella ficina, Sacc.

{ Hendersonia fissurata, Cke.

{ Hendersonia findens, Sacc.

Macrosporium caudatum, C. &amp; E.

Macrosporium Cheiranthi, Fr.

Nectria Cucurbitula, (Tode) Fr.?

Peziza vinosa, A. &amp; S.

Pilidium (?) Ficus, Cke.

Sporocybe byssoides, (P.) Fr.

Trichothecium roseum, Lk.

Tubercularia granulata, P.

*Humulus Lupulus*, L.

Cylindrosporium Humuli, Ell. &amp; Ev.

Erysiphe Cichoracearum, DC.

Pestalozzia compacta, B. &amp; C.

Phyllosticta Humuli, Sacc. &amp; Speg., var. major, Ell. &amp; Ev.

Septoria lupulina, Ell. &amp; Kell.

Sphaerella erysiphina, (B. &amp; Br.) Cke.

Sphaeria Penicillus, Schm.

Sphaerotheca Castagnei, Lev.

{ Sphaeria humulina, Pk.

{ Zignoella humulina, Pk.

*Laportea Canadensis*, Gandich.

Gloeosporium Laporteae, Pk.

Peronospora Urticae, (Lib.) D By.

Septoria Pileae, Thm.

Septoria Urticae, Rob.

{ Peziza urticina, Pk.

{ Trichopeziza urticina, Sacc.

*Maclura aurantiaca*, Nutt.

Corticium Sambuci, P.

Diplodia radicina, C. &amp; E.

Dothidea ribesia, (P.) Fr.

{ Dothidea tetraspora, B. &amp; Br.

{ Dothidea crystallophora, B. &amp; C.

{ Parodiella tetraspora, Kell. &amp; Carleton.

{ Valsa tetraploa, B. &amp; C.

{ Eutypella tetraploa, Sacc.

Glonium parvulum, (Gerard) Cke.

Ovularia Maclurae, Ell. &amp; Langlois.

Phyllosticta Maclurae, Ell. &amp; Ev.

{ Boletus ferruginosus, Schrad.

{ Polyporus ferruginosus, Fr.

{ Poria ferruginea, Karst.

{ Mucronoporus ferruginosus, Ell. &amp; Ev.

*Sphaeropsis* Maclurae, Cke.  
 { *Sporidesmium* Maclurae, Thm.  
 { *Clasterosporium* Maclurae, Pound.  
 { *Uredo* Citri, Cke.  
 { *Uredo* citrina, De Toni.  
*Valsa Americana*, B. & C.  
*Valsa* Maclurae, C. & E.  
***Morus alba*, L.**  
 { *Agaricus adiposus*, Fr.  
 { *Pholiota adiposa*, Sacc. Syll.  
*Cenangium fatiscens*, S.  
*Cercospora moricola*, Cke.  
*Coprinus micaceus*, (Bull.) Fr.  
 { *Sphaeria collecta*, S.  
 { *Diatrype collecta*, Cke.  
*Dothidea moriformis*, (Ach.) Fr.  
 { *Didymosporium pezizoideum*, S.  
 { *Epiclinium pezizoideum*, Fr.  
*Fracchiaea Americana*, Berl.  
*Gonytrichum caesium*, Nees.  
 { *Sphaeria olivaceohirta*, S.  
 { *Massaria olivaceohirta*, Cke.  
*Melanconium conglomeratum*, Lk.  
*Nectria dematiosa*, (S.) M. A. Curtis.  
 { *Sphaeria verrucosa*, S.  
 { *Nectria verrucosa*, Sacc.  
*Ostracoderma spadiceum*, S.  
*Ozonium auricomum*, Lk.  
 { *Thelephora cinerascens*, S.  
 { *Hymenochaete cinerascens*, Lev.  
*Corticium cinerascens*, B.  
 { *Peniophora cinerascens*, Sacc.  
 { *Peniophora Schweinitzii*, Massee.  
 { *Peziza conchella*, S.  
 { *Pezizella conchella*, Sacc.  
 { *Peziza cruenta*, S.  
 { *Pezizella cruenta*, Sacc.  
 { *Septoria Mori*, Lev.  
 { *Phleospora Mori*, Sacc.  
*Phleospora moricola*, (Pass.) Sacc.  
*Spermotermium rufum*, S.  
 { *Sphaeria Mori-albae*, S.  
 { *Sphaerella Mori-albae*, Cke.  
***Morus alba*, L., var. *latifolia***, Bureau.  
*Diplodia Mori*, B.  
*Dothidea Sambuci*, (P.) Fr.  
*Fusarium lateritium*, Nees.  
*Nectria coecinea*, (P.) Fr.  
 { *Sphaeria ochroleuca*, S.  
 { *Nectria ochroleuca*, M. A. Curtis.  
*Sphinetrina microscopica*, B. & C.  
*Valsa morigena*, B. & C. in Herb. B.  
*Valsa pusio*, B. & C.  
***Morus rubra*, L.**  
*Cercospora moricola*, Cke.  
 { *Cercospora pulvinulata*, Sacc. & Wint.  
 { *Cercospora Missouriensis*, Wint.  
*Diplodia Mori*, B.

{ *Sphaeria Mori-rubrae*, S.  
 { *Eutypa Mori-rubrae*, Cke.  
*Massaria epileuca*, B. & C.  
 { *Sphaeria dematiosa*, S.  
 { *Nectria dematiosa*, M. A. Curtis.  
 { *Peziza vinosa*, A. & S.  
*Calloria vinosa*, Fr.  
*Orbilia vinosa*, Karst.  
 { *Septoria Mori*, Lev.  
 { *Phleospora Mori*, Sacc.  
*Phoma longipes*, B. & C.  
*Uncinula geniculata*, Gerard.  
***Morus*, sp. indet.**

#### PYRENOMYCETES.

{ *Botryosphaeria Berengeriana*, De Not.  
*Dothidea moricola*, C. & E.  
 { *Melogramma fuliginosum*, Ell. p. p.  
*Bagnisiella moricola*, Sacc.  
*Diatrype asterostoma*, B. & C.  
*Diatrype capnóstoma*, B. & Rav.  
 { *Valsa stellulata*, Rav. Fung. Am.  
*Eutypa ludibunda*, Sacc.  
 { *Eutypella stellulata*, (Fr.) Sacc., var.,  
     Ravenelii, Rehm.  
 { *Sphaeria subcongregata*, B. & C.  
 { *Fracchiaea subconnata*, (B. & C.) Cke.  
*Hypoxylon Botrys*, Nits.  
 { *Hysterium Mori*, S.  
*Hysterographium Mori*, Rehm.  
 { *Lophiostoma fenestralis*, C. & E.  
*Lophidium fenestrale*, Sacc.  
*Nectria cinnabarina*, (Tode) Fr.  
*Nectria Russellii*, B. & C.  
*Sphaeria botryosa*, Tode.  
*Sphaerostilbe cinnabarina*, Tul.  
 { *Triblidium minor*, Cke.  
 { *Tribliodiella minor*, Sacc.  
 { *Hysterium rufulum*, Spreng.  
 { *Triblidium rufulum*, Cke.  
 { *Tribliodiella rufula*, Sacc.  
 { *Valsaria insitiva*, Ces. & De Not.  
*Diatrype Aethiops*, C. & E.  
 { *Valsaria Aethiops*, Sacc.  
*Melogramma Aethiops*, Cke.

#### FUNGI IMPERFECTI.

*Alternaria tenuis*, Nees.  
*Diplodia atramentaria*, C. & E.  
*Diplodia moricola*, C. & E.  
 { *Dinemasporium hispidulum*, (Schrad.)  
     M. A. Curtis.  
 { *Excipula hispidula*, C. & E.  
*Fumago vagans*, P.  
*Helminthosporium virgultorum*, S.  
*Hendersonia epileuca*, C. & E.  
*Melanconium Dothidea*, S.  
*Microcera coccophila*, Desm.

*Sphaeropsis valsoidea*, C. & E.  
*Sporidesmium polymorphum*, Cda.  
*Tubercularia mutabilis*, Nees.

## DISCOMYCETES.

{ *Dermatea Cucurbitaria*, Cke.  
 { *Patellaria Cucurbitaria*, Rehm.  
 { *Triblidium Cucurbitaria*, Rehm.  
 { *Dermatella Cucurbitaria*, Sacc.  
 { *Blitridium Cucurbitaria*, Sacc.  
 { *Patellaria indigotica*, C. & P.  
 { *Lecanidion indigoticum*, Sacc.  
 { *Patellaria subsidua*, C. & E.  
 { *Blitridium subsiduum*, Sacc.  
 { *Stictis mollis*, P.  
 { *Stictis Pupula*, Fr.

## HYMENOMYCETES.

*Agaricus (Collybia) velutipes*, Wm. Curtis.  
 { *Stereum moricolum*, B.  
 { *Peniophora moricola*, Massee.  
*Polyporus adustus*, (Willd.) Fr.  
*Polyporus Medulla-panis*, (B.) Fr.

*Parietaria debilis*, Forst.

*Erysiphe Cichoracearum*, DC.

*Parietaria Pennsylvanica*, Muhl.

*Peronospora Illinoensis*, Farl.

*Pilea pumila*, Gray.

*Erysiphe Cichoracearum*, DC.

*Septoria Pileae*, Thm.

*Ulmus alata*, Michx.

{ *Phyllactinia guttata*, Lev.  
 { *Phyllactinia suffulta*, (Reb.) Sacc.

*Uncinula intermedia*, B. & C.

*Uncinula macrospora*, Pk.

*Ulmus Americana*, L.

*Acrospermum foliicolum*, B.

*Botrytis cinereoglaucia*, Ell. & Kell.

{ *Sphaeria phaeostroma*, Dur. & Mont.  
 { *Chaetosphaeria phaeostroma*, Fckl.  
 { *Byssosphaeria phaeostroma*, Cke.

*Coryneum tumoricola*, Pk.

{ *Valsa scoparia*, (S.) M. A. Custis.  
 { *Eutypa scoparia*, Wint.

{ *Xyloma ulmeum*, S.

{ *Sphaeria ulmea*, Fr.

{ *Gnomonia ulmea*, Thm.

*Hydnnum parasitans*, B. & C.

*Hypoxylon Caries*, (S.) Sacc.

*Hypoxylon effusum*, Nits.

*Melasmia ulmicola*, B. & C.

*Microsphaera Alni*, (DC.) Wint.

{ *Nectria (Calonectria) chlorinella*, Cke.  
 { *Dialonectria chlorinella*, Cke.

*Ozonicum auricomum*, Lk.

{ *Septoria Ulmi*, Fr.

{ *Phleospora Ulmi*, Wallr.

{ *Dothidea Ulmi*, (Duv.) Fr.

{ *Phyllachora Ulmi*, Fckl.

{ *Peziza fibriseda*, B. & C.  
 { *Pseudohelotium fibrisedum*, Sacc.

*Phoma cineta*, B. & C.

*Phyllactinia suffulta*, (Reb.) Sacc.

{ *Boletus conchifer*, S.

{ *Boletus virgineus*, S.

{ *Polyporus conchifer*, Fr.

{ *Polyporus virgineus*, Fr.

{ *Polystictus virgineus*, Cke.

{ *Polystictus conchifer*, Sacc. Syll.

{ *Polyporus tenerrimus*, B. & Rav.

{ *Poria tenerrima*, Cke.

*Radulum molare*, Fr.

*Saeidium Ulmi-gallae*, Kell. & Swingle.

*Uncinula macrospora*, Pk.

{ *Diatrype quadrata*, (S.) B.  
 { *Valsaria quadrata*, Sacc.

*Ulmus fulva*, Michx.

*Ceratophorum ulmicolum*, Ell. & Kell.

*Corticium maculiforme*, Fr.

*Didymosporium effusum*, S.

*Eutypa scoparia*, (S.) Wint.

*Excipula ulmicola*, S.

{ *Sphaeria ulmea*, (S.) Fr.

{ *Gnomonia ulmea*, Thm.

*Irpea coriaceus*, B. & Rav.

*Hypocrea bicolor*, Ell. & Ev.

*Phyllosticta ulmicola*, Sacc.

*Septoria Ulmi*, Fr.

{ *Sphaeria apertiuscula*, S.

{ *Sphaerella apertiuscula*, Cke.

*Stereum subpileatum*, B. & C.

*Tubercularia vulgaris*, Tode.

*Uncinula macrospora*, Pk.

*Ulmus*, sp. indet.

## PYRENOMYCETES.

*Diatrype radiata*, Ell.

*Diatrype Stigma*, (Hoffm.) Fr.

{ *Valsa innumerabilis*, Pk.

{ *Eutypella innumerabilis*, Sacc.

*Hypoxylon multifforme*, Fr.

*Hysterium pulicare*, P.

{ *Sphaeria ramulicola*, Pk.

{ *Leptosphaeria ramulicola*, Sacc.

{ *Lophiostoma Jerdoni*, B. & Br.

{ *Lophiotrema praemorsum*, (Lasch) Sacc.

{ *Nectria Canadensis*, Ell. & Ev.

{ *Calonectria Canadensis*, Berl. & Vogl.

{ *Tubercularia Canadensis*, Berl. & Vogl.

*Nectria coccinea*, (P.) Fr.

*Nectria rhizogena*, Cke.

*Nectria Russellii*, B. & C.

{ *Sphaeria tubaeformis*, Tode.

{ *Gnemoniella tubiformis*, Sacc.

{ *Sphaeria phellogena*, B. & C.

{ *Teichospora phellogena*, Sacc.

? { *Tympanis Fraxini*, (S.) Fr.

{ *Sphaeria Fraxini*, Fr.

Uncinula Bivonae, Lev.  
 { Sphaeria ciliata, P.  
 { Valsa ciliata, Fr.  
 Valsa coaperta, Cke.  
 { Sphaeria fibrosa, P.  
 { Valsa fibrosa, Fr.  
 { Sphaeria modesta, S.  
 { Valsa modesta, Cke.  
 { Sphaeria stellulata, Fr.  
 { Valsa stellulata, Fr.  
 { Sphaeria melastroma, Fr.  
 { Valsa melastroma, Fr.  
 { Valsaria melastroma, Sacc.

## HYMENOMYCETES.

Agaricus (Mycena) corticola, Schum.  
 Agaricus (Pleurotus) euosmus, B.  
 Agaricus (Pleurotus) mastrucatus, Fr.  
 { Agaricus sapidus, Kalchb.  
 { Pleurotus sapidus, Sacc. Syll.  
 { Agaricus subareolatus, Pk.  
 { Pleurotus subareolatus, Sacc. Syll.  
 { Agaricus ulmarius, Bull.  
 { Pleurotus ulmarius, Quel.  
 Coprinus atratus, B. & Br.  
 Coprinus fuscescens, (Schaeff.) Fr.  
 Corticium filamentosum, B. & C.  
 { Corticium Oakesii, B. & C.  
 { Aleurodiscus Oakesii, Cke.  
 { Corticium olivascens, B. & C.  
 { Coniophora olivascens, Massec.  
 Grandinia mucida, Fr.  
 Guepinia elegans, B. & C.  
 Hirneola Auricula-Judae, (L.) B.  
 Hydnnum Caput-medusae, Bull.  
 { Hydnnum laeticolor, B. & C.  
 { Irpex laeticolor, Morg.  
 Hydnnum udum, Fr.  
 { Hymenochaete cinerascens, (S.) Lev.  
 { Peniophora cinerascens, Sacc.  
 Lentinus vulpinus, Fr.  
 Marasmius spodoleucus, B. & Br.  
 Panus dealbatus, B.  
 Polyporus fragrans, Pk.  
 Polyporus squamosus, (Huds.) Fr.  
 { Polyporus ulmarius, S. Am. bor.  
 { Polyporus scruposus, Fr.  
 { Polyporus ulmarius, (Sow.) Fr.  
 { Fomes ulmarius, Cke.  
 Stereum disciforme, (DC.) Fr.  
 Stereum neglectum, Pk.

## MISCELLANEA.

?Cercospora sphaeriaeformis, Cke.  
 Cytospora carbonacea, Fr.  
 Helotium fibuliforme, (Bolt.) Fr.

Martindalea spironema, Sacc. & Ell.  
 Pestalozzia insidens, Zabriskie.  
 { Peziza leonina, S.  
 { Trichopeziza leonina, Sacc.  
 Peziza rubella, P.  
 Rhytisma Ulmi, Fr.  
 Sporidesmium cellulosum, Fr.  
 Sporotrichum alutaceum, S.  
 { Hendersonia Lophiostoma, C. & E.  
 { Stagonospora Lophiostoma, Sacc.  
*Urtica dioica*, L.  
 Aecidium Urticæ, Schum.

*Urtica gracilis*, Ait.  
 { Aecidium Urticæ, Schum.  
 { Caeoma (Aecidium) urticatum, Lk.  
 Peronospora Urticæ, (Lib.) D By.  
 Ramularia Urticæ, Ces.  
 Sphaerella superflua, (Fckl.) Ell. & Ev.  
*Urtica halosericea*, Nutt.  
 Ramularia Urticæ, Ces.  
 Sphaeropsis lanceolata, C. & E.

*Urtica*, sp indet.  
 { Discella olivacea, Cke. & Hark.  
 { Discula olivacea, Sacc.  
 Fumago vagans, P.  
 Helminthosporium Urticæ, Pk.  
 Peziza fusarioides, B.  
 { Rhytisma elevatum, S.  
 { Phoma elevatum, Cke.  
 Phoma nebulosa, (P.) Mont.  
 Rhytisma Urticæ, Fr.  
 { Sphaeria Doliolum, P.  
 { Leptosphaeria Doliolum, De Not.  
 { Heptameria Doliolum, Cke.  
 { Raphidospora Urticæ, Rabh.  
 { Sphaeria Urticæ, Auct. Amer.?  
 { Ophiobolus Urticæ, Sacc.

## PLATANACEAE.

*Platanus occidentalis*, L.

## PYRENOMYCETES.

{ Diatrype prominens, Howe.  
 { Diatrypella prominens, Sacc.  
 { Sphaeria Platani, S.  
 { Valsa Platani, Cke.  
 { Eutypella Platani, Sacc.  
 { Sphaeria tinctor, B.  
 { Diatrype ? tinctor, Sacc.  
 { Hypoxylon tinctor, Cke.  
 { Sphaeria platanicola, Howe.  
 { Leptosphaeria platanicola, Sacc.  
 { Heptameria platanicola, Cke.  
 Massaria atroinquinans, B. & C.  
 { Sphaeria platanoides, S. Syn. Car.  
 { Sphaeria stilbostoma, Fr.  
 { Melanconis stilbostoma, Tul.

- { *Microsphaera Platani*, Howe.
- { *Microsphaera Alni*, (DC.) Wint.
- { *Sphaeria macula*, S. Syn. Car.
- { *Nummularia macula*, Cke.
- { *Melanconis bicornis*, Cke.
- { *Pseudovalsa bicornis*, Sacc.
- { *Valsa hapalocystis*, (B. & Br.) Cke.
- { *Pseudovalsa hapalocystis*, Sacc.
- Sphaerella maculiformis*, (P.) Awd.
- Sphaerella Platani*, Ell. & Martin.
- { *Septoria platanifolia*, Cke.
- { *Sphaerella platanifolia*, Cke.
- Sphaeria ceratosperma*, S. Syn. Car.
- { *Sphaeria fulvopruinata*, B.
- { *Valsa fulvopruinata*, Cke.
- { *Diaporthe fulvopruinata*, Sacc.
- { *Valsaria fulvopruinata*, Sacc.

## FUNGI IMPERFECTI.

- Cercospora platanicola*, Ell. & Ev.
- Cladosporium epiphyllum*, Nees.
- Coryneum corticale*, S.
- { *Didymosporium minutissimum*, S.
- { *Melanconium minutissimum*, S.
- { *Discella Platani*, Pk.
- { *Discula Platani*, Sacc.
- Gloeosporium nervisequum*, (Fckl.) Sacc.
- Helminthosporium corticale*, S.
- { *Hendersonia Desmazieri*, Mont.
- { *Hendersonia Platani*, Pk.
- { *Macrosporium echinellum*, B. & C.
- { *Macrosporium Cheiranthi*, Fr., var. *echinellum*, B. & C.
- { *Macrosporium commune*, Rabh., var. *echinellum*, B. & C.
- Pestalozzia stellata*, B. & C.
- Pestalozzia stictica*, B. & C.
- Sphaeropsis Platani*, Pk.
- Sporidesmium atrum*, Lk.
- Stigmella Platani*, Fckl.
- Stigmella visianica*, Sacc. ?
- Stilbospora quadrisepata*, S.

## MISCELLANEA.

- Achlya racemosa*, Hildebrand, var.
- { *Thelephora albomarginata*, S.
- { *Peniophora albomarginata*, Massee.
- Phacidium Platani*, S.
- Stereum purpureum*, P.
- Tremella mesenterica*, Retz.
- Trichia inconspicua*, Rostf.
- Platanus orientalis*, L.
- Glocosporium nervisequum*, (Fckl.) Sacc.
- Platanus racemosa*, Nutt.
- Diatrypella prominens*, (Howe) Sacc.
- Dictyosporium circinatum*, Cke. & Hark.

- Glocosporium nervisequum*, (Fckl.) Sacc.
- Lasiosphaeria biformis*, (P.) Sacc.
- Sphaerella latebrosa*, Cke.
- { *Stigmella Platani*, Fckl.
- { *Stigmella Platani*, Sacc.
- Zygodesmus hydnoides*, B. & C.
- Zygodesmus pannosus*, B. & C.
- Platanus*, sp. indet.

## PYRENOMYCETES.

- { *Sphaeria ranella*, B. & Rav.
- { *Rebentischia ranella*, Sacc.
- { *Coniochaeta Rattus*, (S.) Cke.
- { *Sphaeria corniculata*, Ehrh.
- { *Diatrype corniculata*, Rav. Fung. Car.
- Diatrype Hystrix*, (Tode.) Fr.
- { *Valsa aleurina*, B. & C. in Herb. B.
- { *Eutypella aleurina*, Berl. & Vogl.
- { *Valsa tumidula*, C. & P.
- { *Eutypella tumidula*, Sacc.
- Glonium Ravenelii*, Cke. & Phil.
- { *Sphaeria sublobata*, S.
- { *Hypocrea sublobata*, Sacc.
- { *Hypoxylon coccineum*, Bull.
- { *Sphaeria fragiformis*, P.
- { *Sphaeria illita*, S.
- { *Hypoxylon illitum*, Sacc.
- { *Hypoxylon nummularium*, Bull.
- { *Nummularia Bulliardii*, Tul.
- { *Sphaeria rubiginosa*, P.
- { *Hypoxylon rubiginosum*, Fr.
- { *Hysterium angustatum*, P.
- { *Hysterium pulicare*, P., var. *angustatum*, Fr.
- { *Sphaeria albocrustata*, S.
- { *Sphaerella albocrustata*, Cke.
- { *Laestadia albocrustata*, Sacc.
- { *Sphaeria canescens*, P.
- { *Lasiosphaeria canescens*, Karst.
- { *Sphaeria leucospila*, B. & C.
- { *Linospora leucospila*, Sacc.
- { *Sphaeria circumscissa*, P.
- { *Massaria circumscissa*, M. A. Curtis.
- { *Sphaeria semitecta*, B. & C.
- { *Massaria semitecta*, Sacc.
- { *Sphaeria dematiosa*, S.
- { *Nectria dematiosa*, M. A. Curtis.
- { *Sphaeria convergens*, Tode.
- { *Pseudovalsa convergens*, Sacc.
- { *Sphaeria Aquila*, Fr.
- { *Rosellinia Aquila*, De Not.
- { *Sphaeria millegrana*, S.
- { *Psilosphaeria millegrana*, Rav. Fung. Am.
- { *Rosellinia millegrana*, Sacc.
- Sphaeria Pupula*, Fr.
- Sphaerostilbe gracilipes*, Tul.
- Valsa salicina*, (P.) Fr.
- { *Sphaeria stellulata*, Fr.
- { *Valsa stellulata*, Fr.

## FUNGI IMPERFECTI.

Botrytis rosea, Lk.  
 Campsotrichum simplex, Cke.  
 { Sporidesmium sticticum, B. & C.  
 { Clasterosporium sticticum, Sacc.  
 { Stilbum didymum, Cke.  
 { Didymobotryum Cookei, Sacc.  
 Diplodia Aceris, Fckl.  
 Diplodia fulvella, Cke.  
 Discosia Artocreas, (Tode) Fr.  
 Harpographium fasciculatum, Sacc.  
 Helicotrichum obscurum, (Cda.) Sacc.  
 { Sphaeropsis petiolata, Cke.  
 { Phoma petiolata, Sacc.  
 { Macrophoma petiolata, Berl. & Vogl.  
 { Oedemium sparsum, B. & Rav.  
 { Oedemium subsparsum, Sacc.  
 { Coccularia stictica, B.  
 { Phoma stictina, Sacc.  
 Phyllosticta Platani, Sacc. & Speg.  
 Sporidesmium epicoccoides, B. & C.  
 Sporidesmium stygium, B. & C.  
 Triposporium Ravenelii, Cke.

## HYMENOMYCETES.

Exidia repanda, Fr.  
 Exidia spiculata, S.  
 Hydnnum Erinaceus, Bull.  
 { Boletus juglandinus, S.  
 { Polyporus juglandinus, S.  
 { Poria juglandina, Cke.

## JUGLANDACEAE.

*Carya alba*, Nutt.

## PYRENOMYCETES.

{ Sphaeria caryophaga, S.  
 { Sphaeria Curtisi, B.  
 Hypoxylon nucitena, B. & C.  
 { Melanomma? nucitena, Sacc.  
 { Amphisphaeria caryophaga, Cke.  
 { Sphaeria juglandicola, S.  
 { Sphaeria juglandina, Curr.  
 { Diplodia juglandicola, Curr.  
 { Valsa juglandicola, Cke.  
 { Botryodiplodia juglandicola, Sacc.  
 { Hypocrea chlorina, Cke.  
 { Broomella chlorina, Sacc.  
 Cryptospora Caryae, Pk.  
 Eutypa lindbunda, Sacc.  
 { Sphaeria tubaeformis, Tode.  
 { Gnomoniella tubiformis, Sacc.  
 { Hysterium Cookeianum, Gerard.  
 { Gloniopsis Cookeana, Sacc.  
 Hysterium magnosporium, Gerard.  
 Microsphaera Alni, (DC.) Wint.

Nectria Missouriensis, Ell. & Ev.  
 { Dothidea juglandicola, S.  
 { Phyllachora juglandicola, Sacc.  
 Sphaerella convexula, (S.) Thm.  
 Sphaeria pericarpii, S.  
 Xylaria Hypoxylon, (L.) Grev.

## FUNGI IMPERFECTI.

Botrytis cinerella, Sacc. & Wint.  
 Discosia rugulosa, B. & C.  
 Fusicladium effusum, Wint.  
 Hendersonia Davisii, Ell. & Ev.  
 Illosporium caesium, S.  
 Melanconium intermedium, Pk.  
 Melanconium pallidum, Pk.  
 Microstroma leucosporum, (Mont.) Niessl.  
 Phyllosticta Caryae, Pk.  
 Ramularia albomaculata, Pk.  
 Sphaeropsis Caryae, C. & E.  
 Sphaeropsis pericarpii, Pk.

## DISCOMYCETES.

Peziza floccosa, S.  
 Rhytisma Juglandis, S.

## HYMENOMYCETES.

{ Agaricus chrysophlebius, B. & Rav.  
 { Pluteus chrysophlebius, Sacc. Syll.  
 { Agaricus niger, S.  
 { Pleurotus niger, Sacc. Syll.  
 Clavaria spathulata, Pk.  
 Corticium cinereum, P.  
 Corticium cinereum, P., var. sumigatum, Pk.  
 { Polyporus Caryae, S.  
 { Poria Caryae, Cke.  
 Polyporus conglobatus, B.  
 Stereum purpureum, P.  
*Carya amara*, Nutt.  
 { Clasterosporium uncinatum, Clinton.  
 { Ceratophorum uncinatum, Sacc.  
 Fusicladium effusum, Wint.  
 Hysterium nucicolum, S.  
 Sphaerella convexula, (S.) Thm.  
*Carya aquatica*, Nutt.  
 Pestalozzia sphaerelloides, Ell. & Langlois.  
 Microstroma leucosporum, (Mont.) Niessl.  
*Carya olivaeformis*, Nutt.  
 Dendrodochium simile, Ell. & Ev.  
 Fusicladium caryigenum, Ell. & Langlois.  
 Fusicladium effusum, Wint.  
*Carya porcina*, Nutt.  
*Carya sulcata*, Nutt.  
 { Dermosporium atrum, S.  
 { Strumella atra, Sacc.

*Carya tomentosa*, Nutt.

- { *Sphaeria caryophaga*, S.
- { *Amphisphaeria caryophaga*, Cke.
- { *Corticium fumigatum*, Thm.
- { *Peniophora cinerea*, (P.) Cke., var. *fumigata*, Sacc. Syll.
- { *Dematium cinnabarinum*, P.
- { *Dacrina cinnabrina*, S.
- { *Sphaeria exarata*, S.
- { *Hypoxylon exaratum*, M. A. Curtis.
- Melanconium oblongum*, B.
- Microstroma leucosporum*, (Mont.) Niessl.
- Oidium pulvinatum*, Cke.
- Phlebia coccineofulva*, S.
- Rhytisma Juglandis*, S.
- { *Sphaeria convexula*, S.
- { *Sphaerella convexula*, Thm.
- Stereum purpureum*, P.
- Stereum sanguinolentum*, (A. & S.) Fr.
- { *Dermosporium atrum*, S.
- { *Strumella atra*, Sacc.
- { *Sphaeria juglandicola*, Schw.
- { *Valsa juglandicola*, Cke.

*Carya*, sp. indet.

## PYRENOMYCETES.

- Acrospermum viridulum*, B. & C.
- { *Sphaeria concentrica*, Bolt.
- { *Hypoxylon concentricum*, Grev.
- { *Daldinia concentrica*, Ces. & De Not.
- { *Valsa apocrypta*, C. & E.
- { *Diaporthe apocrypta*, Sacc.
- { *Valsa Woolworthii*, Pk.
- { *Diaporthe Woolworthii*, Sacc.
- Eutypa maura*, (Fr.) Sacc.
- { *Valsa constellata*, B. & C. in Herb. B.
- { *Eutypella constellata*, Berl. & Vogl.
- Fenestella amorpha*, Ell. & Ev.
- Gibbera moricarpa*, Cke.
- Hypocrea gelatinosa*, (Tode.) Fr.
- Hysterium ellipticum*, Fr.
- { *Hysterium Juglandis*, S.
- { *Hysterium pulicare*, P., var. *Juglandis*, S.
- Massaria* (*Massariella*) *seriata*, Cke.
- { *Sphaeria leiostega*, Ell.
- { *Metasphaeria leiostega*, Sacc.
- { *Endophlaea leiostega*, Cke.
- Nectria coccinea*, (P.) Fr.
- Nectria polythalamia*, B.
- Rosellinia Aquila*, (Fr.) De Not.
- { *Sphaeria dendroides*, S.
- { *Sphaerulina myriadea*, (DC.) Sacc.
- { *Sphaerella dendroides*, Cke.
- { *Sphaeria punctiformis*, P.
- { *Sphaerella punctiformis*, Fr.
- Sphaeria* (*Thyridium*) *ambleia*, C. & E.
- Sphaeria drupivora*, S.

- { *Sphaerostilbe cinnabrina*, Tul.
- { *Sphaerostilbe gracilipes*, Tul.
- Triblidium in sculptum*, Cke.
- Valsa caryigena*, B. & C.
- Valsa chlorodisca*, C. & E.
- Valsa conscripta*, C. & E.
- Valsa decorticans*, Fr.
- Valsa deusta*, Ell. & Ev.
- Valsa stellulata*, Fr.

## FUNGI IMPERFECTI.

- { *Excipula microspora*, C. & E.
- { *Amerosporium microsporum*, Sacc.
- Cylindrosporium caryigenum*, Ell. & Ev.
- Dactylaria mucronulata*, Ell. & Langlois.
- { *Stilbum leucocephalum*, B. & C.
- { *Graphium leucocephalum*, Tul.
- { *Graphium Curtisii*, Sacc.
- { *Stilbum rigidum*, P.
- { *Graphium rigidum*, Sacc.
- Helminthosporium Arbuscula*, B. & C.
- Hendersonia eximia*, B. & C.
- { *Hendersonia nobilis*, B. & C.
- { *Hendersonia navicula*, Cke.
- { *Rhytisma seriale*, S.
- { *Leptostroma seriale*, Cke.
- Lichenopsis sphaeroboloidea*, S.
- Melanconium gracile*, Ell. & Ev.
- Melanconium intermedium*, Pk.
- Melanconium magnum*, B.
- { *Phyllosticta Caryae*, Ell. & Ev.
- { *Phyllosticta caryigena*, Ell. & Ev.
- Pilacre Petersii*, B. & C.
- Septoria Caryae*, Ell. & Ev.

## HYMENOMYCETES.

- Agaricus* (*Pleurotus*) *atrocruelus*, Fr.
- { *Michenera Artocreas*, B. & C.
- { *Artocreas Micheneri*, B. & C.
- { *Thelephora albido carnea*, S.
- { *Corticium albido carneum*, Rav.
- { *Asterostroma albido carneum*, Massee.
- Corticium Auberianum*, Mont.
- Corticium Leveillianum*, B. & C.
- Cyphella Ravenelii*, B.
- Gomphidius viscidus*, Fr.
- Grandinia tuberculata*, B. & C.
- Hirneola Auricula-Judae*, (L.) B.
- Hydnnum casearium*, Morg.
- Hydnnum glabrescens*, B. & Rav.
- Hydnnum membranaceum*, Bull.
- Hydnnum mucidium*, Gmel.
- Hymenochaete purpurea*, Cke. & Morg.
- Irpea pallescens*, Fr.

*Irpea Tulipiferae*, S.  
*Panus farinaceus*, (Schum.) Fr.  
*Polyporus abortivus*, Pk., var. *subglobosus*,  
 Pk.  
*Polyporus Alabamae*, B. & C.  
 { *Favolus Canadensis*, Klotzsch.  
 { *Polyporus Boucheanus*, (Klotzsch) Fr.  
 { *Favolus Europaeus*, Auct. Am.?  
*Polyporus cuticularis*, (Bull.) Fr.  
*Polyporus endocrocinus*, B.  
*Polyporus hemileucus*, B. & C.  
*Polyporus igniarius*, (L.) Fr., var.  
*Polyporus nidulans*, Fr.  
*Polyporus niphodes*, B. & Br.  
*Polyporus pargamenus*, Fr.  
*Polyporus plebeius*, B.  
*Polyporus Salleanus*, B. ?  
*Polyporus scutellatus*, S.  
 { *Polyporus spissus*, S. in Fr. El.  
 { *Poria spissa*, Cke.  
 { *Mucronoporus spissus*, Ell. & Ev.  
*Polyporus vaporarius*, (P.) Fr.  
*Polystictus purpureofuscus*, Cke.  
*Radulum molare*, Fr.  
*Radulum pallidum*, B. & C.  
*Stereum albobadium*, (S.) Fr.

## MISCELLANEA.

*Myriangium Curtissii*, B. & Mont.  
*Juglans cinerea*, L.  
 { *Sphaeria diffusa*, S.  
 { *Byssosphaeria diffusa*, Cke.  
 { *Sphaeria drupivora*, S.  
 { *Ceratostoma drupivorum*, Cke.  
*Corticium puberum*, Fr.  
*Crepidotus haerens*, Pk.  
*Depazea juglandina*, Fr.  
 { *Valsa bicincta*, C. & P.  
 { *Diaporthe bicincta*, Sacc.  
*Gloeosporium Juglandis*, (Lib.) Mont.  
*Hysterium cinerascens*, S.  
*Melanconium oblongum*, B.  
*Microsphaera Alni*, (DC.) Wint.  
 { *Microstroma leucosporum*, (Mont.) Niessl.  
 { *Microstroma Juglandis*, (Bereng.) Sacc.,  
     var. *brachysporum*, Sacc.  
*Ostropa rugulosa*, S.  
 { *Didymium subroseum*, Pk.  
 { *Physarum albicans*, Pk.  
*Polyporus Radula*, (P.) Fr.  
*Sphaeria amorphula*, S.  
*Sphaeria druparum*, S.  
*Sphaeria unbonata*, Fr.  
*Sphaeropsis Gallae*, (S.) B. & C.  
 { *Sphaeria lixivia*, Fr.  
 { *Valsa lixivia*, Fr.

*Juglans nigra*, L.

*Cercospora Juglandis*, Kell. & Swingle.  
*Cladosporium pericarpinum*, Cke.  
*Cytospora albiceps*, Ell. & Kell.  
*Diplodia Juglandis*, Fr.  
 { *Sphaeria scoparia*, S.  
 { *Valsa scoparia*, M. A. Curtis.  
 { *Eutypa scoparia*, Wint.  
*Gibbera pulicaris*, Fr.  
 { *Gloeosporium Juglandis*, (Lib.) Mont.  
 { *Marsonia Juglandis*, Sacc.  
 { *Peziza auriformis*, S.  
 { *Exidia auriformis*, Fr.  
 { *Tremella auriformis*, Spreng.  
 { *Hirneola auriformis*, Fr.  
 { *Sphaeria hispida*, Tode.  
 { *Lasiosphaeria hispida*, Fckl.  
*Lenzites vialis*, Pk.  
*Microsphaera Alni*, (DC.) Wint.  
 { *Microstroma leucosporum*, (Mont.) Niessl.  
 { *Microstroma Juglandis*, (Bereng.) Sacc.  
 { *Boletus juglandinus*, S.  
 { *Polyporus juglandinus*, S.  
 { *Poria juglandina*, Cke.  
*Sphaeria druparum*, S.  
*Sphaeropsis pericarpii*, Pk.  
*Trichia difformis*, S.  
*Triposporium Juglandis*, Thm.  
 { *Sphaeria Juglandis*, S. nec. Fr.  
 { *Septoria Juglandis*, B. & C.  
 { *Rhabdospora Juglandis*, Sacc.  
 { *Valsa Juglandis*, S. Herb. sec. Cke.  
 { *Sphaeria sphinctrina*, Fr.  
 { *Valsa sphinctrina*, Fr.  
*Valsa tetraploa*, B. & C.  
*Juglans regia*, L.  
*Caryospora putaminum*, (S.) De Not.  
*Diplodia Juglandis*, Fr.  
 { *Valsa juglandina*, C. & E.  
 { *Eutypella juglandina*, Sacc.  
 { *Peziza fructigena*, Bull.  
 { *Helotium fructigenum*, Karst.  
*Melanconium magnum*, B.  
*Microstroma leucosporum*, (Mont.) Niessl.  
 { *Peziza abdita*, Ell.  
 { *Mollisia abdita*, Sacc.  
*Sphaerella petiolicola*, (Desm.) Awd.  
*Juglans*, sp. indet.  
*Astrophora effusa*, S.  
 { *Sphaeria Tubulina*, A. & S.  
 { *Hypoxylon Tubulina*, Fr.  
 { *Bolinia Tubulina*, Sacc.  
*Cenangium Juglandis*, B. & C.  
 { *Nidularia juglandicola*, S.  
 { *Crucibulum juglandicolum*, De Toni.  
*Dematium strigosum*, (P.) Lk.  
*Dothidea (Ectostroma) petiolaris*, S.  
 { *Sphaeria spinosa*, P.  
 { *Eutypa spinosa*, Tul.

*Hydnus* *Himantia*, S.  
*Hydnus* *ischodes*, B.  
 { *Sphaeria* *ovina*, P.  
 { *Lasiosphaeria* *ovina*, Ces. & De Not.  
 { *Hysterium* *mytilinum*, P.  
 { *Lophium* *mytilinum*, Fr.  
*Lycoperdon* *quercinum*, P.  
 { *Sphaeria* *gyroza*, S.  
*Peziza* *gyroza*, Spreng.  
 { *Melogramma* *gyrosum*, Tul.  
*Endothia* *gyroza*, Tul.  
*Monilia* *aurea*, var. *aurantiaca*, S. Syn. Car.  
*Nectria* *sanguinea*, (Sibth.) Fr.  
 { *Peziza* *Erinaceus*, S.  
 { *Lachnea* *Erinaceus*, Sacc.  
*Phoma* *Pustula*, (P.) Fr.  
 { ? *Sphaeria* *conferta*, S. Am. bor.  
 { *Dothidea* *acervulata*, Fr.  
 { *Phyllachora* *acervulata*, Sacc.  
*Physarum* *polyaedron*, S.  
 { *Polyporus* *fumosogriseus*, C. & E.  
 { *Polyporus* *adustus*, Fr., var. *resupinatus*, Cke.  
 { *Polyporus* *cinereus*, S.  
*Poria* *cinerea*, Cke.  
 { *Peziza* *digitalis*, S. Syn. Car.  
*Peziza* *pendula*, S. Syn. Car.  
 { *Cyphella* *pendula*, Fr.  
*Polyporus* *cupulaeformis*, B. & C.  
*Polyporus* *spongiosus*, S. Am. bor.  
 { *Agaricus* *alneus*, L.  
 { *Schizophyllum* *commune*, Fr.  
*Sphaeria* *putaminum*, S., var.  
 { *Sphaeria* *Juglandis*, S.  
 { *Septoria* *Juglandis*, B. & C.  
 { *Rhabdospora* *Juglandis*, Sacc.  
 { *Valsa* *Juglandis*, Cke.

## MYRICACEAE.

*Myrica* *asplenifolia*, Endl.  
*Cronartium* *asclepiadeum*, (Willd.) Fr.  
*Cucurbitaria* *Comptoniae*, C. & E.  
*Diaporthe* *Comptoniae*, Ell. & Ev.  
 { *Diatrype* *Comptoniae*, Ell. & Ev.  
 { *Thyridaria* *Comptoniae*, Berl. & Vogl.  
*Pestalozzia* *flagellifera*, Ell. & Ev.  
 { *Peziza* *rhabdocarpa*, Ell.  
 { *Erinella* *rhabdocarpa*, Sacc.  
 { *Sphaeria* *Comptoniae*, S.  
 { *Valsa* *Comptoniae*, Cke.  
*Valsa* *conscripta*, C. & E.  
 { *Sphaeria* *rimicola*, S.  
 { *Valsa* *rimicola*, Cke.  
*Myrica* *Californica*, Cham.  
*Eutypa* *lata*, (P.) Tul.  
*Lasiosphaeria* *biformis*, (P.) Sacc.  
*Lophodermium* *xylomoides*, (DC.) Chev.

*Myrica* *cerifera*, L.  
 { *Melogramma* *graphideum*, B. & Rav.  
 { *Botryosphaeria* *graphidea*, Sacc.  
*Caeoma* (*Aecidium*) *myricatum*, S.  
*Cercospora* *diffusa*, Ell. & Ev.  
*Cercospora* *dispersa*, Ell. & Ev.  
*Cercospora* *Penicillus*, Ell. & Ev.  
*Corticium* *calceum*, Fr.  
*Dialonectria* *erubescens*, (Rob.) Cke.  
 { *Gibbera* *moricarpa*, Cke.  
 { *Fracchiaea* *moricarpa*, Sacc.  
*Gnomonia* *Myricae*, C. & E.  
*Helminthosporium* *inflatum*, B. & Rav.  
*Hymenochaete* *badioferruginea*, (Mont.) Lev.  
*Hymenochaete* *rubiginosa*, (Schrad.) Lev.  
*Hymenochaete* *scabriseta*, Cke.  
*Hypocrea* *ochroleuca*, B. & Rav.  
*Hypoxylon* *marginatum*, (S.) B., var. *effusum*, B.  
*Meliola* *manca*, Ell. & Martin.  
 { *Peniophora* *flavidoalba*, Cke.  
 { *Corticium* *flavidoalbum*, Rav. Fung. Am.  
*Pestalozzia* *Myricae*, Ell. & Martin.  
 { *Peziza* *callochaetes*, Ell. & Ev.  
 { *Dasyphypha* *callochaetes*, Sacc.  
*Peziza* *pruinata*, S.  
 { *Solenia* *poriaeformis*, (DC.) Fckl.  
*Tapesia* *pruinata*, Sacc.  
*Phyllosticta* *Myricae*, Cke.  
 { *Polyporus* *Alabamae*, B. & Cke.  
 { *Poria* *Alabamae*, B. & Cke.  
*Sphaerella* *pardalota*, C. & E.  
*Stagonospora* *Myricae*, Ell. & Ev.  
 { *Sphaeria* *acanthostroma*, Mont.  
 { *Trichosphaeria* *acanthostroma*, Sacc.  
 { *Byssosphaeria* *acanthostroma*, Cke.  
*Xylaria* *corniformis*, Fr.  
*Zygodesmus* *pannosus*, B. & C.  
*Myrica* *Gale*, L.  
*Diaporthe* *Wibbei*, Nits.  
 { *Torula* *curvata*, Pk.  
 { *Hormiscium* *curvatum*, Sacc.  
*Metasphaeria* *Myricae*, Pk.  
 { *Ovularia* *monilioides*, Ell. & Martin.  
 { *Ramularia* *monilioides*, Ell. & Ev.  
 { *Peziza* *bicolor*, Bull.  
 { *Dasyphypha* *bicolor*, Fckl.  
 { *Peziza* *myricacea*, Pk.  
 { *Trichopeziza* *myricacea*, Sacc.  
 { *Peziza* *sulphurella*, Pk.  
 { *Dasyphypha* *sulphurella*, Sacc.  
*Myrica*, sp. indet.  
*Aspergillus* *Curtisii*, B.  
 { *Valsa* *phomaspora*, C. & E.  
 { *Diaporthe* *phomospora*, Sacc.  
 { *Valsa* *tecta*, Cke.  
 { *Diaporthe* *tecta*, Sacc.  
 { *Valsa* *Myricae*, C. & E.  
 { *Eutypella* *Myricae*, Sacc.

? *Favolus flacidus*, Fr.  
 { *Sphaeria subcongregata*, B. & C.  
 { *Sphaeria subconnata*, B. & C.  
 { *Fracchiaea subconnata*, Cke.  
*Glenospora Curtissii*, B. & Desm.  
*Grandinia granulosa*, (P.) Fr.  
 { *Hypoxylon polyspermum*, Mont.  
 { *Hypoxylon marginatum*, Rav. Fung. Am.  
 { *Peziza alboviridis*, Cke.  
 { *Trichopeziza alboviridis*, Sacc.  
*Polyporus barbaeformis*, B. & C.  
*Polyporus contiguus*, (P.) Fr.  
 { *Polyporus crocatus*, Fr.  
 { *Polystictus crocatus*, Fr.  
*Polyporus Floridanus*, B.  
 { *Polyporus holoxanthus*, B. & Cke.  
 { *Poria holoxantha*, B. & Cke.  
*Polyporus niphodes*, B. & Br.  
*Polyporus tenuis*, S.  
*Stilbum glaucum*, Cke.  
*Thelephora pedicellata*, S.  
*Tremella Myricae*, B. & Cke.  
*Valsa quernea*, Curr.

## CUPULIFERAE.

***Alnus incana***, Willd.  
*Anthostoma Ellisii*, Sacc., var. *exudans*,  
 Pk.  
 { *Valsa femoralis*, Pk.  
 { *Cryptospora femoralis*, Sacc.  
*Derivatea furfuracea*, (Roth) Fr.  
*Diatrypella Tocciaeana*, De Not.  
*Erysiphe aggregata*, (Pk.) Farl.  
*Eutypella cerviculata*, (Fr.) Sacc.  
*Hypoxylon fuscum*, (P.) Fr.  
*Melanconis Alni*, Tul.  
 { *Microsphaera penicillata*, (Wallr.) Lev.  
 { *Microsphaera penicillata*, (Wallr.) Lev.,  
 var. *Alni*, C. & P.  
 { *Microsphaera Alni*, (DC.) Wint.  
*Pilacre orientalis*, B. & Br.  
*Pistillaria alnicola*, Pk.  
*Scolecosporiuin Fagi*, Lib.  
*Septoria alnicola*, Cke.  
*Sphaerella minutissima*, Pk.  
 • { *Ascomyces Tosquinetii*, Auct. Amer.  
 { *Taphrina alnitorqua*, Auct. Amer.  
 { *Exoascus alnitorquus*, Auct. Amer.  
 { *Exoascus amentorum*, Sadebeck.  
 { *Taphrina Alni-incanae*, (Kühn) Magnus.  
*Thelephora rosella*, Pk.  
*Torula alnea*, Pk.  
***Alnus rubra***, Bongard.  
*Cryptosporium Neesii*, Cda.  
*Gnomonia Alni*, Plow.  
*Hydnnum ciliolatum*, B. & C.

*Melanconium sphaeroideum*, Lk.  
*Naematelia nucleata*, (S.) Fr.  
*Radulum orbiculare*, Fr.  
 { *Ascomyces Tosquinetii*, Auct. Amer.  
 { *Taphrina alnitorqua*, Auct. Amer.  
 { *Taphrina Alni-incanae*, (Kühn) Magnus.  
*Valsa femoralis*, Pk.  
***Alnus rhombifolia***, Nutt.  
 ? *Melampsora betulina*, (P.) Tul.  
***Alnus serrulata***, Willd.  
*Agaricus aurivellus*, Batsch.  
*Capnodium elongatum*, B. & Desm.  
 { *Ceratostoma capillare*, Ell.  
 { *Ceratostomella capillaris*, Sacc.  
 { *Cyphella fulva*, B. & Rav.  
 { *Cyphella Ravenelii*, Sacc.  
*Cyphella subgelatinosa*, B. & Rav.  
*Diatrype megastoma*, Ell. & Ev.  
 { *Diatrype aspera*, Fr.  
 { *Diatrypella aspera*, Nits.  
*Diatrypella discoidea*, C. & P., var. *Alni*,  
 Cke.  
 { *Sphaeria verruciformis*, Ehrh.  
 { *Diatrype verruciformis*, Fr.  
 { *Diatrypella verruciformis*, Nits.  
 { *Xyloma alneum*, P.  
 { *Dothidea alnea*, Fr.  
 { *Discosia alnea*, B.  
 { *Erysiphella aggregata*, Pk.  
 { *Erysiphe aggregata*, Farl.  
 { *Valsa stellulata*, Rav. Fung. Am.  
 { *Eutypella stellulata*, (Fr.) Sacc., var.  
 { *cucurbitarioides*, Rehm.  
 { *Hysterium parvulum*, Gerard.  
 { *Glonium parvulum*, Cke.  
*Helicosporium microscopicum*, Ell.  
*Hymenochaete corrugata*, (Fr.) Lev.  
*Hypocrea citrina*, (P.) Fr.  
*Hypocrea rufa*, (P.) Fr.  
*Hypoxylon fuscum*, (P.) Fr.  
 { *Hypoxylon xanthocreas*, B. & C.  
 { *Hypoxylon Peckianum*, Sacc.  
 { *Hypocrea viridirufa*, B. & Rav.  
 { *Hypoxylon viridirufum*, Cke.  
 { *Melasmia alnea*, Lev.  
 { *Leptothyrium alneum*, Sacc.  
*Microsphaera Alni*, (DC.) Wint.  
 { *Peziza fascicularis*, A. & S.  
 { *Derivatea fascicularis*, Fr.  
 { *Cenangium populneum*, (P.) Rehm.  
*Phyllactinia suffulta*, (Reb.) Sacc.  
 { *Polyporus obliquus*, Fr.  
 { *Fomes obliquus*, Cke.  
 { *Mucronoporus obliquus*, Ell. & Ev.  
*Polyporus vaporarius*, (P.) Fr.  
 { *Valsa quaternata*, (P.) Fr.  
 { *Quaternaria Persoonii*, Tul.  
*Sphaeropsis Alni*, C. & E.  
*Sphaerostilbe coccophila*, Tul.

*Tremella enata*, B. & C.  
 { *Plicatura Alni*, Pk.  
 { *Trogia Alni*, Pk.  
 { *Sphaeria Americana*, B. & C.  
 { *Valsa Americana*, B. & C.  
*Valsa femoralis*, Pk.  
 { *Sphaeria haustellata*, Fr.  
 { *Diatrype haustellata*, Rav. Fung. Car.  
 { *Valsa haustellata*, M. A. Curtis.  
*Valsa tetraploa*, B. & C.  
***Alnus viridis*, DC.**  
*Diaporthe marginalis*, Pk.  
*Dothidella Alni*, Pk.  
 { *Sphaeria tubaeformis*, Tode.  
 { *Gnomonia tubiformis*, Awd.  
 { *Gnomoniella tubiformis*, Sacc.  
*Leptothyrium alneum*, (Lev.) Sacc.  
*Melanconium dimorphum*, Pk.  
*Microsphaera divaricata*, Lev.  
*Phoma Phillipsiana*, Sacc. & Roum  
*Polyporus contiguus*, (P.) Fr  
*Sphaerella alnicola*, Pk.  
***Alnus*, sp. indet.**

## PYRENOMYCETES.

{ *Diatrype microspora*, Ell.  
 { *Anthostoma Ellisii*, Sacc.  
 { *Fuckelia Ellisii*, Cke.  
 { *Nectria diploa*, B. & C., var. *diminuta*, B.  
 { *Nectria diminuta*, Sacc.  
 { *Dialonectria diminuta*, Cke.  
 { *Dialonectria diploa*, var. *diminuta*,  
     Ell. & Ev.  
 { *Calonectria diminuta*, Berl. & Vogl.  
 { *Valsa inconspicua*, C. & E.  
 { *Calospora* ? *inconspicua*, Sacc.  
 { *Sphaeria suffusa*, Fr.  
 { *Valsa suffusa*, Fr.  
 { *Cryptospora suffusa*, Tul.  
 { *Valsa paucispora*, Pk.  
 { *Cryptosporella paucispora*, Berl. & Vogl.  
 { *Cucurbitaria alnea*, Pk.  
 { *Otthia alnea*, Sacc.

*Daldinia concentrica*, (Bolt.) Ces. & De Not.  
*Diatrype Stigma*, (Hoffm.) Fr.  
*Diatrypella Tocciaeana*, De Not., var. *sub-effusa*, Ell. & Ev.  
*Hypocrea gelatinosa*, (Tode) Fr.  
 { *Hypoxylon Morsei*, B. & C.  
 { *Hypoxylon Blakei*, B. & C.  
 { *Fuckelia Morsei*, Cke.  
*Hypoxylon commutatum*, Nits.  
*Hypoxylon commutatum*, Nits., var.  
     *Holwayanum*, Sacc. & Ell.  
*Hypoxylon multiforme*, Fr.  
 { *Valsa thelebola*, Fr.  
 { *Melanconis thelebola*, Sacc.  
 { *Erysiphe divaricata*, S. Am. bor.  
 { *Microsphaera divaricata*, Lev.

*Nectria aglaeothele*, B. & C.  
*Nectria coccinea*, (P.) Fr.  
*Nectria diploa*, B. & C.  
 { *Nectria subcoccinea*, Sacc. & Ell.  
 { *Nectria muscivora*, Journ. Myc. II. 110.  
 { *Valsa tubulosa*, B. & C.  
 { *Valsa tribulosa*, B. & C.  
 { *Pseudovalsa tubulosa*, Sacc.  
*Calospora tribulosa*, Sacc.  
*Scorias spongiosa*, (S.) Fr.  
*Sphaerella conglomerata*, (Wallr.) Awd.  
 { *Sphaeria Papilla*, S.  
 { *Melanopsamma Papilla*, Sacc.  
 { *Sphaeria obducens*, Fr.  
 { *Teichospora obducens*, Fckl.  
*Valsa Alni*, Pk.  
 { *Sphaeria centripeta*, Fr.  
 { *Valsa centripeta*, Pk. 26th Rept.  
 { *Diatrype moroides*, C. & P.  
 { *Valsaria moroides*, Sacc.

## FUNGI IMPERFECTI.

*Coniothyrium valsoideum*, Pk.  
*Cryptosporium Neesii*, Cda.  
 { *Valsa truncata*, C. & P.  
 { *Cytospora truncata*, Sacc.  
*Helminthosporium persistens*, Cke.  
 { *Sphaeropsis Amenti*, Cke. & Hark.  
 { *Phoma Amenti*, Sacc.  
*Polyactis pulvinata*, B. & C.  
 { *Septoria maculans*, B. & C.  
 { *Rhabdospora maculans*, Sacc.  
*Rhinotrichum Curtisi*, B.  
*Septoneima dichaenoides*, Pk. & Clinton.  
*Sphaeronema pruinatum*, Pk.  
*Sphaeropsis alnicola*, Pk.  
*Sphaeropsis Pennsylvanica*, B. & C.  
*Sporidesmium sicnum*, Thm.  
 { *Dactylium sublutescens*, Pk.  
 { *Trichothecium sublutescens*, Sacc.

## DISCOMYCETES.

*Heliotium fastidiosum*, Pk.  
*Patellaria rhabarbarina*, B.  
*Phacidium alneum*, (Wormsk.) Fr.

## HYMENOMYCETES.

*Agaricus atrocaeruleus*, Fr.  
*Corticium incarnatum*, Fr.  
*Corticium laeve*, P.  
 { *Corticium scariosum*, B. & C.  
 { *Corticium secedens*, Sacc.  
*Grandinia granulosa*, (P.) Fr.  
*Hydnus farinaceum*, P.  
*Hymenochaete agglutinans*, Ell.

*Irpea obliqua*, (Schrad.) Fr.  
*Irpea paradoxus*, (Schrad.) Fr.  
*Kneiffia setigera*, Fr.  
*Marasmius praecutus*, Ell.  
 { *Merulius confluens*, S.  
 { *Merulius Corium*, Fr.  
 { *Cantharellus confluens*, S.  
*Panus operculatus*, B. & C.  
*Polyporus aureonitens*, Patouillard.  
*Polyporus pubescens*, (Schm.) Fr.  
 { *Polyporus scutellatus*, S.  
 { *Fomes scutellatus*, Cke., forma Noveboracensis, Sacc. Syll.  
*Radulum molare*, Fr.  
*Solenia ochracea*, Hoffm.  
*Thelephora episphaeria*, Fr.  
*Thelephora pedicellata*, S.  
*Tremella intumescens*, Sm.  
 { *Merulius crispus*, P.  
 { *Cantharellus crispus*, Fr.  
 { *Troglia crispa*, Fr.  
*Tympanis alnea*, (P.) Fr.  
***Betula carpinifolia***, Sieb. & Zucc.  
*Cenangium compressum*, S.  
*Cenangium laminare*, Fr.  
*Cenangium molliusculum*, S.  
 { *Sphaeria transversa*, S.  
 { *Hypoxyylon transversum*, Sacc.  
***Betula glandulosa***, Michx.  
*Dothidella betulina*, (Fr.) Sacc.  
***Betula intermedia***, Thom.  
*Dothidella betulina*, (Fr.) Sacc.  
*Mollisia fusca*, (P.) Karst.  
***Betula lenta***, L.  
*Exidia picea*, B. & C.  
 { *Gelatinosporium betulinum*, Pk.  
 { *Sphaeronema seriatum*, B. & C.  
 { *Sphaerographium seriatum*, Sacc.  
*Gloeosporium Betularum*, Ell. & Martin.  
 { *Valsa acrocystis*, Pk.  
 { *Melanconicla acrocystis*, Berl. & Vogl.  
 { *Microsphaera penicillata*, (Wallr.) Lev.  
 { *Microsphaera Alni*, (DC.) Wint.  
*Septoria microsperma*, Pk.  
*Sphaeria scoriadea*, Fr.  
***Betula lutea***, Michx. f.  
*Asterosporium betulinum*, Pk.  
 { *Diatrype betulina*, Pk.  
 { *Diatrypella betulina*, Sacc.  
*Gelatinosporium betulinum*, Pk.  
*Gelatinosporium fulvum*, Pk.  
*Omphalia subgrisea*, Pk.  
*Septoria betulicola*, Pk.  
 { *Polyporus targamenus*, Fr.  
 { *Polyporus elongatus*, B.  
 { *Polystictus targamenus*, Fr.  
 { *Polyporus pseudopargamenus*, Thm.  
 { *Polystictus pseudopargamenus*, Sacc. Syll.  
 { *Diatrype ferruginea*, Fr.  
 { *Sillia ferruginea*, Karst.  
 { *Diatrype nigrospora*, Pk.  
 { *Valsaria nigrospora*, Berl. & Vogl.  
***Betula nana***, L.  
*Didymosphaeria nana*, Rostrup.  
*Dothidella betulina*, (Fr.) Sacc.  
*Gnomonia campylostyla*, Awd.  
*Taphrina bacteriosperma*, Johanson.  
*Taphrina carnea*, Johanson.  
***Betula nigra***, L.  
*Botrytis minutula*, S.  
*Coryneum compactum*, B. & Br.  
 { *Hypoxyylon concentricum*, (Bolt.) Grev.  
 { *Daldinia concentrica*, Ces. & De Not.  
*Eutypella angulosa*, (Nits.) Sacc.  
 { *Valsa niphoclina*, Cke.  
 { *Eutypella ? niphoclina*, Sacc.  
*Gloeosporium Betularum*, Ell. & Martin.  
*Hypoxyylon fuscum*, (P.) Fr.  
*Hysterium angustatum*, P.  
 { *Hysterium flexuosum*, S.  
 { *Hysterographium flexuosum*, Sacc.  
*Phyllactinia suffulta*, (Reb.) Sacc.  
 { *Sphaeria lanata*, Fr.  
 { *Enchnoa lanata*, Fr.  
***Betula occidentalis***, Hook.  
*Phyllactinia suffulta*, (Reb.) Sacc.  
***Betula papyracea***, Ait.  
*Agaricus ostreatus*, Jacq.  
*Diatrypella betulina*, (Pk.) Sacc.  
*Diplodia valseoides*, Pk.  
*Eutypella cerviculata*, (Fr.) Sacc.  
*Gnomonia Provancheriana*, Thm.  
*Hypoxyylon multiforme*, Fr.  
*Hypoxyylon transversum*, (S.) Sacc.  
*Melanconium betulinum*, Schm. & Kze.  
*Melanconium bicolor*, Nees.  
*Taphrina flava*, Farl.  
*Troglia crispa*, (P.) Fr.  
***Betula populifolia***, Ait.  
 { *Diplodia valseoides*, Pk.  
 { *Botryodiplodia valseoides*, Sacc.  
 { *Sphaeria ciliatula*, Fr.  
 { *Valsa ciliatula*, Fr.  
 { *Calosphaeria ciliatula*, Karst.  
 { *Cenangium betulinum*, Pk.  
 { *Scleroderris betulina*, Sacc.  
*Cenangium seriatum*, Fr.  
*Coryneum Kunzei*, Cda.  
*Cryptospora Betulae*, Tul.  
 { *Valsa tomentella*, Pk.  
 { *Cryptospora tomentella*, Berl. & Vogl.  
 { *Diatrype discoidea*, C. & P.  
 { *Diatrypella discoidea*, C. & P.

{ *Melanconis lanciformis*, (Fr.) Tul.  
 { *Melanconis elliptica*, Pk.  
 { *Diatrype elliptica*, Pk.  
 { *Pseudovalsa lanciformis*, Ces. & De Not.,  
   var. *elliptica*, Sacc.  
*Helminthosporium arbusculoides*, Pk.  
*Lenzites Cookei*, B.  
*Melanconis* (*Melanconiella*) *Decorahensis*,  
   Ell.  
*Melanconis stilbostoma*, (Fr.) Tul.  
*Melanconium betulinum*, Schm. & Kze.  
*Melanconium bicolor*, Nees.  
*Polyporus salicinus*, Fr.  
*Septoria Betulae*, (Lib.) Westd.  
 { *Sphaeria ditricha*, Fr.  
 { *Vernicularia ditricha*, S.  
 { *Venturia ditricha*, Karst.  
 { *Venturia maculans*, Pk.  
*Sphaeria flavovirens*, Fr.  
 { *Exoascus flavus*, Farl.  
 { *Taphrina flava*, Farl.  
*Valsaria Niesslii*, (Wint.) Sacc.  
*Valsella adherens*, Fckl.  
***Betula pumila*, L.**  
*Diatrypella betulina*, (Pk.) Sacc.  
*Melanconium betulinum*, Schm. & Kze.  
*Melanconis stilbostoma*, (Fr.) Tul.  
***Betula*, sp. indet.**

## PYRENOMYCETES.

{ *Sphaeria pannicola*, B. & C.  
 { *Chaetosphaeria pannicola*, Sacc.  
*Cucurbitaria conglobata*, (Fr.) Ces. & De Not.  
 { *Diatrype platasca*, Pk.  
 { *Diaporthe platasca*, Sacc.  
*Diatrype asterostoma*, B. & C.  
*Diatrype disciformis*, (Hoffm.) Fr.  
 { *Sphaeria sordida*, P.  
 { *Diatrype sordida*, Cke.  
*Diatrype Stigma*, (Hoffm.) Fr.  
 { *Sphaeria favacea*, Fr.  
 { *Diatrype favacea*, Fr.  
 { *Diatrypella favacea*, Ces. & De Not.  
 { *Sphaeria spinosa*, P.  
 { *Eutypa spinosa*, Tul.  
 { *Sphaeria Halseyana*, S.  
 { *Valsa Halseyana*, Cke.  
 { *Eutypella Halseyana*, Cke.  
 { *Sphaeria setacea*, P.  
 { *Gnomonia setacea*, Ces. & De Not.  
 { *Sphaeria mirabilis*, Pk.  
 { *Gnomoniella mirabilis*, Sacc.  
 { *Gnomonia mirabilis*, Cke.  
*Hypoxylon argillaceum*, (P.) Fr.  
*Hypoxylon coccineum*, Bull.  
*Hypoxylon Morsei*, B. & C.  
*Hypoxylon multifforme*, Fr.

*Hypoxylon perforatum*, (S.) Fr.  
*Hysterium angustatum*, P.  
*Hysterium betulignum*, S.  
*Hysterium pulicare*, P.  
 { *Sphaeria monosperma*, Pk.  
 { *Julella monosperma*, Sacc.  
 { *Delacourea monosperma*, Cke.  
 { *Sphaeria xestothele*, B. & C.  
 { *Lasiosphaeria xestothele*, Sacc.  
*Massaria Argus*, (B. & Br.) Fres.  
*Massaria siparia*, (B. & Br.) Ces. & De Not.  
*Melanconis* (*Melanconiella*) *biansata*, Ell. &  
   Ev.

*Melanconis Decorahensis*, Ell., var. *major*,  
   Ell. & Ev.

*Melanconis lanciformis*, (Fr.) Tul.

*Melanconis* (*Melanconiella*) *Meschuttii*,  
   Ell. & Ev.

*Nectria Cucurbitula*, (Tode) Fr. ?

{ *Xyloma asteromorpha*, S.  
 { *Dothidea asteromorpha*, Fr.  
 { *Phyllachora asteromorpha*, Sacc.

{ *Sphaeria lichenalis*, Pk.  
 { *Pleospora lichenalis*, Sacc.

{ *Delacourea lichenalis*, Cke.  
 { *Sphaeria dissepta*, Fr.  
 { *Quaternaria dissepta*, Tul.

{ *Sphaeria Desmazierii*, B. & Br.  
 { *Rosellinia Desmazierii*, Sacc.

*Sphaerella sparsa*, (Wallr.) Awd.

*Sphaeria melasperma*, Fr.

*Sphaeria Verrucaria*, Fr. ?

*Valsa angulosa*, Nits., var. *elliptica*, Pk.

*Valsa Betulae*, (Tul.) Ell. & Ev.

*Valsa pulchella*, (P.) Fr.

{ *Sphaeria tuberculosa*, S.  
 { *Xylosphaeria tuberculosa*, Cke.

## SPHAEROPSIDEAE.

*Cytospora betulina*, Ehrb.  
*Cytospora chrysosperma*, (P.) Fr.  
*Cytospora melasperma*, Fr.  
 { *Sphaeria Artocreas*, Tode.  
 { *Discosia Artocreas*, Fr.  
*Gelatinosporium magnum*, Ell.  
*Hendersonia glabra*, Cke.  
*Prosthemium betulinum*, Kze.  
*Sphaeria ? uberiformis*, Fr.  
 { *Sphaeria oppilata*, S. Am. bor.  
 { *Stagonospora oppilata*, (Fr.) Sacc. ?

## MELANCONIEAE.

*Coryneum disciforme*, var. *ellipticum*,  
   B. & Br.  
*Cryptosporium Neesii*, Cda.

Didymosporium acuminatum, S.  
 Didymosporium elevatum, Lk.  
 Libertella betulina, Desm.  
 { Stilbospora microsperma, S. Syn. Car.  
 { Melanconium sphaeroideum, Lk.  
 { Naemaspora crocea, P.  
 { Myxosporium croceum, Lk.  
 Myxosporium subviride, Ell. & Ev.  
 { Naemaspora viridis, B. & C.  
 { Myxosporium viride, Sacc.  
 { Coryneum irregulare, B. & C.  
 { Steganosporium irregulare, Sacc.  
 Steganosporium muricatum, Bon.

## HYPHOMYCETES.

Cladosporium lignicolum, Cda.  
 Nematogonium aurantiacum, Desm.  
 Sporotrichum cylindrosporum, Lk.  
 Zygodesmus granulosus, Pk.

## DISCOMYCETES.

? Cenangium Cerasi, (P.) Fr.  
 Cenangium seriatum, Fr.  
 { Peziza sareoides, (Jacq.) P.  
 { Bulgaria sareoides, Fr.  
 { Coryne sareoides, Tul.  
 { Bulgaria bicolor, Pk.  
 { Peziza orbicularis, Pk.  
 { Discina orbicularis, Sacc.  
 Helotium aeruginosum, (Oeder) Fr.  
 { Peziza olivaceovirens, S.  
 { Patellaria olivaceovirens, Fr.  
 { Lemalis olivaceovirens, S.  
 { Peziza patula, P.  
 { Dasyscypha patula, Sacc.  
 { Peziza populnea, P.  
 { Peziza fascicularis, A. & S.  
 { Cenanguim populneum, Rehm.  
 Phacidium coronatum, Fr.  
 Xylographa parallelia, (Ach.) Fr.

## HYMENOMYCETES.

Agaricus alnicola, Fr.  
 { Agaricus luteofolius, Pk.  
 { Pholiota luteofolia, Sacc. Syll.  
 { Agaricus sapidus, Kalchb.  
 { Pleurotus sapidus, Sacc. Syll.  
 { Agaricus semicaptus, B. & C.  
 { Pleurotus semicaptus, Sacc. Syll.  
 Corticium martianum, B. & C.  
 { Daedalea albida, S.  
 { Daedalea discolor, Fr.  
 Daedalea confragosa, P.  
 Grandinia mucida, Fr.  
 Irpex pallescens, Fr.  
 { Thelephora setigera, Fr.  
 { Kneifia setigera, Fr.  
 Lentinus lepidens, Fr.

Lenzites betulina, (L.) Fr.  
 Marasmius caespitosus, Pk.  
 Merulius tremellosus, Schrad.  
 Panus dorsalis, (Bosc.) Fr.  
 Phlebia radiata, Fr.  
 Polyporus annosus, S. Am. bor.  
 Polyporus aureonitens, Patouillard.  
 { Boletus betulinus, Bull.  
 { Polyporus betulinus, Fr.  
 { Polyporus albellus, Pk.  
 { Polyporus biformis, Fr.  
 { Polyporus Caroliniensis, B. & C.  
 { Polystictus biformis, Fr.  
 { Boletus alneus, S. Syn. Car.  
 { Polyporus cuticularis, S. Am. bor.  
 { Polyporus conchatus, (P.) Fr.

Polyporus fomentarius, (L.) Fr.  
 { Polyporus igniarius, (L.) Fr.  
 { Fomes igniarius, Karst.

Polyporus marginatus, (P.) Fr.

Polyporus nidulans, Fr.

{ Polyporus nigricans, Fr.  
 { Fomes nigricans, Karst.  
 { Mueronoporus nigricans, Ell. & Ev.

Polyporus pubescens, (Schm.) Fr.

{ Polyporus radiatus, (Sow.) Fr.  
 { Polystictus radiatus, Cke.

Polyporus spissus, S.?

{ Polyporus subacidus, Pk., var. stalactiticus, Pk.  
 { Poria subacida, Sacc. Syll., var. stalactica, Pk.

Polyporus ulmarius, (Sow.) Fr.

{ Polyporus vaporarius, (P.) Fr.  
 { Sistotrema spathulatum, S. Syn. Car.  
 { Irpex spathulatus, S. Am. bor.  
 { Polyporus vulgaris, Fr.  
 { Boletus vitreus, S. Syn. Car.  
 { Polyporus vitreus, S. Am. bor.  
 { Poria vulgaris, Cke.

Solenia ochracea, Hoffm.

Stereum hirsutum, (Willd.) Fr.

Stereum purpureum, P.

Stereum rugosum, P.

## MISCELLANEA.

Atractobolus lutescens, S.  
 Ditiola radicata, (A. & S.) Fr.  
 Melampsora betulina, (P.) Tul.  
 Tremella albida, Huds.

*Carpinus Caroliniana*, Walt.

## PYRENOMYCETES.

Actidium ? diatrypoides, Cke.

{ Sphaeria Betuli, P., var. tentaculata, S.  
 { Sphaeria Carpini, Fr.  
 { Valsa Carpini, Fr.  
 { Diaporthe Carpini, Fckl.

- { *Diatrype carpinigera*, B. & C.
- { *Diaporthe carpinigera*, Sacc.
- { *Valsaria actidia*, B. & Rav. in Heib. B.
- { *Diatrype actidia*, Cke.
- Diatrype discostoma*, Cke.
- { *Sphaeria cerviculata*, Fr.
- { *Valsa cerviculata*, Fr.
- { *Eutypella cerviculata*, Sacc.
- { *Sphaeria Leaiana*, B.
- { *Valsa Leaiana*, M. A. Curtis.
- { *Eutypella Leaiana*, Sacc.
- { *Sphaeria callista*, B. & C.
- { *Cucurbitaria callista*, B. & C.
- { *Fracchiaea callista*, Sacc.
- { *Sphaeria fimbriata*, P.
- { *Gnomonia fimbriata*, Fckl.
- { *Gnomoniella fimbriata*, Sacc.
- Hypoxylon commutatum*, Nits., var. *Holwayanum*, Sacc. & Ell.
- Hypoxylon epiphaeum*, B. & C.
- Hypoxylon fuscum*, (P.) Fr.
- Hypoxylon Morsei*, B. & C.
- { *Sphaeria carpinea*, Fr.
- { *Sphaerella carpinea*, Awd.
- { *Laestadia carpinea*, Sacc.
- { *Sphaeria canescens*, P.
- { *Lasiosphaeria canescens*, Karst.
- { *Sphaeria subcorticalis*, Pk.
- { *Trichosphaeria subcorticalis*, Sacc.
- { *Lasiosphaeria subcorticalis*, Cke.
- { *Melanconis chrysostoma*, (Fr.) Tul.
- { *Melanconiella chrysostoma*, Sacc.
- { *Melogramma vagans*, De Not.
- { *Melogramma Bulliardii*, Tul.
- { *Diatrype lateritia*, Ell.
- { *Thyridaria lateritia*, Sacc.
- { *Melogramma lateritium*, Cke.
- { *Hypoxylon myriangoides*, B. & Rav.
- { *Thyridaria ? myriangoides*, Sacc.
- { *Melogramma myriangoides*, Cke.
- Microsphaera penicillata*, (Wallr.) Lev.
- Nectria coccinea*, (P.) Fr.
- { *Phyllactinia guttata*, Lev.
- { *Phyllactinia suffulta*, (Reb.) Sacc.
- { *Diatrype Titan*, B. & Rav.
- { *Pseudovalsa Titan*, Sacc.
- { *Sphaeria acanthostroma*, Mont.
- { *Trichosphaeria acanthostroma*, Sacc.
- Valsa aurea*, Fckl.
- { *Diaporthe Ellisii*, Rehm.
- { *Valsa Ellisii*, Ell. & Ev.
- { *Valsa stellulata*, Fr.
- { *Diatrype haustellata*, Pk. Rept.

## SPHAEROPSIDEAE.

- { *Xyloma carpineum*, S.
- { *Sphaeria (Depazea) carpinicola*, Fr.
- { *Depazea carpinicola*, M. A. Curtis.
- { *Depazea carpinea*, Sacc.

- { *Discella discoidea*, C. & P.
- { *Discula Peckiana*, Sacc.
- Phoma sordida*, Sacc.
- Sphaeropsis carpinea*, Sacc. & Br.

## MELANCONIEAE.

- Gloeosporium Carpini*, (Lib.) Desm.
- Gloeosporium Robergei*, Desm.
- { *Libertella betulina*, Desm.
- { *Naemaspore aurea*, Fr.
- Melanconium triangulare*, Ell. & Ev.
- Stilbospora brevis*, B. & Rav.
- Cheirospora botryospora*, Fr.
- Thyrsidium hedericolum*, (De Not.) Dur. & Mont., var. *Carpini*, Sacc.
- { *Cheirospora Micheneri*, B. & C.
- { *Thyrsidium Micheneri*, Sacc.

## HYPHOMYCETES.

- Fusisporium cinnabarinum*, B. & C.
- { *Helicoma Berkeleyi*, M. A. Curtis.
- { *Helicosporium Berkeleyi*, Sacc.
- Pilacre Petersii*, B. & C.
- Septosporium velutinum*, C. & E.
- { *Periconia parasitica*, Pk.
- { *Sporocybe parasitica*, Sacc.
- Streptothrix atra*, B. & C.

## DISCOMYCETES.

- Cenangium rubiginosum*, Cke.
- Dermatea carnea*, C. & E.
- { *Peziza flammea*, A. & S.
- { *Lachnella flammea*, Fr.
- { *Peziza carpinea*, P.
- { *Dermatea carpinea*, Fr.
- { *Patellaria carpinea*, B.
- { *Pezicula carpinea*, Tul.
- Peziza nivea*, (Hedw.) Fr.
- { *Peziza anomala*, P.
- { *Solenia anomala*, Fr.
- { *Tympanis Ravenelii*, B. & C.
- { *Cenangiella Ravenelii*, Sacc.

## HYMENOMYCETES.

- Corticium lacteum*, Fr.
- Corticium Oakesii*, B. & C.
- Corticium ochroleucum*, Fr.
- { *Corticium chlorascens*, Auct. Amer.
- { *Heterobasidium chlorascens*, Massee.
- Irpea deformis*, Fr.
- Naematelia cerebriformis*, Ell.
- { *Thelephora hypnoides*, S. Syn. Car.
- { *Thelephora hydnoides*, S. Am. bor.
- { *Radulum laetum*, S. Am. bor.
- { *Radulum molare*, Fr. ?

Radulum orbiculare, Fr.  
 Stereum complicatum, Fr.  
 { Stereum pruinatum, Ray. Fung. Am.  
 { Thelephora setiformis, B. & C.  
 Trametes serpens, Fr.  
 Xerotus viticola, B. & C.  
*Castanea pumila*, Michx.  
 { Sphaeria Gnomon, Tode.  
 { Gnomoniella vulgaris, (Ces. & De Not.)  
     Sacc.  
 { Helminthosporium caudatum, B. & C.  
 { Helminthosporium macrocarpon, Grev.  
 Melanconium cinctum, B. & C.  
 Pestalozzia concentrica, B. & Rav.  
 Thelephora albomarginata, S.  
*Castanea sativa*, Mill., var. *Americana*,  
     Watson.

## PYRENOMYCETES.

{ Diatrype innata, B. & C.  
 { Valsa innata, B. & C.  
 { Cryptosporella innata, Sacc.  
 { Diaporthe innata, Sacc.  
*Hysterium Castaneae*, S.  
*Melanconis modonia*, Tul.  
 { Microsphaera Friesii, Lev., var. *Castaneae*,  
     C. & P.  
 { Microsphaera Hedwigii, Lev., var. *Castaneae*, Ell.  
 { Microsphaera Alni, (DC.) Wint.  
 { Erysiphe orbicularis, Ehrb.  
 { Phyllactinia guttata, Lev.  
 { Phyllactinia suffulta, (Reb.) Sacc.  
 { Sphaeria echinophila, S.  
 { Sphaerella echinophila, Awd.

## FUNGI IMPERFECTI.

{ Xyloma fagineum, Schrad.  
 { Discosia Artocreas, (Tode) Fr.  
 { Septoria ochroleuca, B. & C.  
 { Cryptosporium epiphyllum, C. & E.  
 { Phyllosticta ochroleuca, Pk.  
 { Gloeosporium ochroleucum, Ell. & Ev.  
*Helminthosporium macrocarpon*, Grev.  
*Helminthosporium persistens*, Cke.  
*Leptothyrium castanicolum*, Ell. & Ev.  
*Phoma castanea*, Pk.  
*Stilbum piliforme*, P.  
 { *Tubercularia Castaneae*, P.  
 { *Tubercularia minor*, Lk.

## HYMENOMYCETES.

{ *Agaricus Americanus*, Pk.  
 { *Lepiota Americana*, Sacc. Syll.  
*Agaricus (Hypholoma) sublateritius*, Schaeff.  
*Daedalea quercina*, (L.) P.  
*Fistulina hepatica*, Fr.

*Fistulina pallida*, B. & Rav.  
*Hydnus xanthum*, B. & C.  
*Polyporus hirsutus*, (Schrad.) Fr.  
 { *Polyporus targamenus*, Fr.  
 { *Polyporus elongatus*, Berk.  
 { *Polystictus elongatus*, Fr.  
 { *Polystictus targamenus*, Fr.  
*Polyporus spumeus*, Fr. ?  
*Polyporus sulfureus*, (Bull.) Fr.  
*Polyporus versicolor*, (L.) Fr.

## MISCELLANEA.

*Helotium papillare*, (Bull.) Karst.  
 { *Arcyria globosa*, S.  
 { *Craterium globosum*, Fr.  
 { *Nassula globosa*, Fr.  
 { *Lachnobolus globosus*, Rostf.  
*Patellaria congregata*, B. & C.  
*Peziza alboviolascens*, A. & S.  
 { *Peziza fructigena*, Bull.  
 { *Helotium fructigenum*, Karst.  
 { *Phialea fructigena*, Gill.

*Castanea*, sp. indet.

## PYRENOMYCETES.

{ *Sphaeria Eckfeldtii*, Ell.  
 { *Melanomma Eckfeldtii*, Sacc.  
 { *Amphisphaeria Eckfeldtii*, Cke.  
*Angelina rufescens*, (S.) Duby.  
 { *Sphaeria Castaneae*, S.  
 { *Melogramma Castaneae*, M. A. Curtis.  
 { *Botryosphaeria Castaneae*, Sacc.  
 { *Sphaeria assecla*, S.  
 { *Calosphaeria assecla*, Sacc.  
 { *Valsa assecla*, Cke.  
 { *Sphaeria scabriseta*, S.  
 { *Eutypa scabriseta*, B.  
 { *Valsa scabriseta*, Cke.  
 { *Calosphaeria scabriseta*, Sacc.  
 { *Sphaeria monstrosa*, S.  
 { *Coniochaeta monstrosa*, Cke.  
 { *Valsa cinctula*, C. & P.  
 { *Cryptospora cinctula*, Sacc.  
 { *Sphaeria fibriseda*, S.  
 { *Nectria fibriseda*, Sacc.  
 { *Dialonectria fibriseda*, Cke.  
*Diatrype Stigma*, (Hoffm.) Fr.  
 { *Sphaeria castanella*, C. & E.  
 { *Didymella castanella*, Sacc.  
 { *Endophlaea castanella*, C. & E.  
 { *Sphaeria limaeformis*, S.  
 { *Eutypa spinosa*, (P.) Tul.  
 { *Valsa castanophila*, B. & C. ?  
 { *Valsa castanicola*, B. & C.  
 { *Fenestella castanicola*, Sacc.  
 { *Sphaeria ferruginea*, P.  
 { *Sillia ferruginea*, Karst.

- { *Sphaeria enteromela*, S.
- { *Hypoxylon enteromelum*, B.
- { *Hysterium Gerardi*, C. & P.
- { *Hysterographium Gerardi*, Sacc.
- { *Hysterium variabile*, C. & P.
- { *Hysterographium variabile*, Sacc.
- { *Sphaeria Pulvis-pyrius*, P.
- { *Melanomma Pulvis-pyrius*, Fckl.
- { *Dothidea Castaneae*, S.
- { *Phyllachora Castaneae*, Sacc.
- { *Sphaeria Corticum*, S.
- { *Sphaeria Aquila*, Fr. var. *Corticium*, Fr.
- { *Rosellinia Corticum*, Sacc.
- Sphaerella sparsa*, (Wallr.) Awd.
- Sphaeria enteroxantha*, S.
- Sphaeria fuscescens*, S.
- Sphaeria inversa*, Fr.
- Valsa caryigena*, B. & C.
- Valsa coronata*, (Hoffm.) Fr.
- { *Sphaeria oligostoma*, S.
- { *Valsa oligostoma*, Cke.
- Valsa pullula*, B. & C. in Herb. B.
- { *Sphaeria pusilla*, P.
- { *Valsa pusilla*, Fr.
- { *Sphaeria squalidula*, C. & P.
- { *Wallrothiella squalidula*, Sacc.
- { *Psilosphaeria squalidula*, C. & P.

## FUNGI IMPERFECTI.

- { *Coryneum epiphyllum*, S.
- { *Sporidesmium epiphyllum*, B. & C.
- { *Ceratophorum epiphyllum*, Sacc.
- { *Clasterosporium subulatum*, C. & E.
- { *Ceratophorum subulatum*, C. & E.
- { *Coniothecium effusum*, Cda.
- { *Sporidesmium Lepraria*, B.
- Coremium glaucum*, Lk.
- Coryneum pustulatum*, Pk.
- { *Sphaeria Artocreas*, Tode.
- { *Discosia Artocreas*, Fr.
- Fusarium coccineum*, S.
- Fusidium caesium*, S.
- { *Dematium Castaneae*, S.
- { *Helminthosporium fasciculatum*, S.
- Helminthosporium obovatum*, B. & Br.
- Oidium croceum*, Lk.
- Phoma brunneotincta*, B. & C.
- { *Stilbospora epiphylla*, S.
- { *Septoria nigricans*, Lk.
- { *Sphaeronema capillare*, Ell. & Hark.
- { *Sphaerographium capillare*, Sacc.
- Sphaeronema parabolicum*, (Tode) Fr.
- Sphaeronema ventricosum*, (Ach.) Fr.
- Spicaria fumosa*, Ell. & Ev.
- Sporotrichum cohaerens*, S.
- Sporotrichum lateritium*, Ehrb.
- { *Coryneum castanicolum*, B. & C.
- { *Steganosporium castanicolum*, Sacc.

## DISCOMYCETES.

- Agyrium nigricans*, Fr.
- Agyrium rufum*, (P.) Fr.
- Cenangium Castaneae*, S.
- Cenangium fibrisedum*, S.
- { *Peziza chlora*, S.
- { *Chlorosplenium Schweinitzii*, Fr.
- { *Peziza punctiformis*, Fr.
- { *Trichopeziza punctiformis*, Fckl.
- { *Cyphella punctiformis*, Cke.
- Dermatea purpurascens*, Ell. & Ev.
- Haematomyces orbicularis*, Pk.
- { *Peziza granuliformis*, A. & S.
- { *Helotium papillare*, (Bull.) Karst.
- { *Peziza Aranea*, De Not.
- { *Trichopeziza Aranea*, Sacc.
- { *Peziza cornuta*, Ell.
- { *Helotiella cornuta*, Sacc.
- Peziza echinophila*, Bull.
- Peziza raphidospora*, Ell.
- { *Peziza translucida*, B. & C.
- { *Dasyscypha translucida*, Sacc.
- { *Peziza turbinulata*, S.
- { *Dasyscypha turbinulata*, Sacc.
- { *Peziza vixvisibilis*, S.
- { *Dasyscypha vixvisibilis*, Sacc.
- Phacidium coronatum*, Fr.

## HYMENOMYCETES.

- Agaricus (Mycena) corticola*, Schum.
- Corticium quercinum*, (P.) Fr., var. *scutellatum*, Ell.
- Favolus abnormis*, S.
- { *Boletus radicatus*, S.
- { *Fistulina radicata*, Fr.
- Hydnus fuscoatrum*, Fr.
- { *Tremella fragiformis*, S. Syn. *Car.*
- { *Dacryomyces fragiformis*, S. Am. bor.
- { *Hormomyces aurantiacus*, Sacc.
- { *Hypsilophora fragiformis*, Cke.
- Lenzites corrugata*, (Klotzsch) B. & C.
- Merulius Corium*, (P.) Fr.
- { *Boletus crispus*, P.
- { *Polyporus crispus*, Fr.
- Polyporus cupulaeformis*, B. & C.
- Polyporus Pilotae*, S.
- { *Polyporus dryadeus*, S. Am. bor.
- { *Polyporus scruposus*, Fr.
- { *Polyporus tenuis*, S.
- { *Poria tenuis*, Cke.
- { *Thelephora abietina*, P.
- { *Stereum abietinum*, Fr.
- { *Thelephora Chailletii*, P.
- { *Stereum Chailletii*, Fr.
- Thelephora nuda*, S. Am. bor.
- Typhula ramealis*, S.

## MISCELLANEA.

*Mucor echinophilus*, S.  
 { *Sphaerobolus minutissimus*, S.  
 { *Thelebolus* ? *minutissimus*, De Toni.  
*Castanopsis chrysophylla*, A. DC.  
 { *Taphrina caerulescens*, (Mont. & Desm.)  
 { *Tul.*  
 { *Ascomyces Quercus*, Cke.  
*Corylus Americana*, Walt.  
 { *Diatrypella Frostii*, Pk.  
 { *Diatrype Frostii*, Cke.  
 { *Sphaeria Tessera*, Fr.  
 { *Diaporthe Tessera*, Fckl.  
 { *Valsa mucronata*, Pk.  
 { *Valsa Tessera*, Cke.  
 { *Diaporthe mucronata*, Sacc.  
 { *Sphaeria tumulata*, C. & E.  
 { *Diaporthe tumulata*, Sacc.  
 { *Gloeosporium Coryli*, (Desm.) Sacc.  
 { *Phyllosticta corylina*, Ell. & Martin.  
*Gloeosporium profusum*, Ell. & Ev.  
*Gnomoniella Coryli*, (Batsch) Sacc.  
*Hypoxylon fuscum*, (P.) Fr.  
 { *Microsphaera penicillata*, (Wallr.) Lev.  
 { *Microsphaera Hedwigii*, Lev.  
 { *Microsphaera Alni*, (DC.) Wint.  
 { *Sclerotium Erysiphe*, P.  
 { *Erysiphe guttata*, Lk.  
 { *Phyllactinia guttata*, Lev.  
 { *Phyllactinia suffulta*, (Reb.) Sacc.  
*Sphaeria Aquila*, Fr., var. *minor*, C. & E.  
*Sphaeronema Coryli*, P.  
*Stereum ochraceoflavum*, (S.) Rav.  
*Corylus rostrata*, Ait.  
*Diaporthe sulfurea*, Fckl.  
*Diaporthe Tessera*, (Fr.) Fckl.  
*Dothidea corylina*, Cke. & Hark.  
*Gloeosporium rostratum*, Ell. & Ev.  
 { *Sphaeria Coryli*, Batsch.  
 { *Gnomonia Coryli*, Awd.  
 { *Gnomoniella Coryli*, Sacc.  
*Gnomonia setacea*, (P.) Ces. & De Not.  
*Microsphaera penicillata*, (Wallr.) Lev.  
*Septoria corylina*, Pk.  
*Septoria corylina*, Pk., var. *permaculata*, Pk.  
*Troposporium album*, Hark.  
*Corylus*, sp. indet.  
*Catinula turgida*, (Fr.) Desm.  
 { *Peziza furfuracea*, Roth.  
 { *Dermatea furfuracea*, (Roth) Fr.  
 { *Cenangium furfuraceum*, De Not.  
 { *Diatrype anomala*, Pk.  
 { *Cryptosporella anomala*, Sacc.  
 { *Sphaeria bullata*, Hoffm.  
 { *Diatrype bullata*, Fr.  
 { *Diatrypella Tocciaeana*, De Not.  
 { *Diatrype Tocciaeana*, Auct. Amer.  
*Diplodia glandicola*, C. & E.

{ *Fusisporium episphaericum*, C. & E.  
 { *Fusarium episphaericum*, Sacc.  
*Gloeosporium Coryli*, (Desm.) Sacc.  
*Hydnium fragilissimum*, B. & C.  
 { *Botryosphaeria pustulata*, Sacc.  
 { *Sphaeria pustulata*, Cke.  
 { *Physalospora pustulata*, Sacc.  
*Psilosphaeria moriformis*, (Tode) Cke. \*  
 { *Sphaeria ferruginea*, P.  
 { *Sillia ferruginea*, Karst.  
 { *Sphaeria conglobata*, S. Am, bor.  
 { *Cucurbitaria conglobata*, (Fr.) Ces. &  
 { *De Not.*?  
*Valsa corylina*, Tul.  
*Fagus ferruginea*, Ait.

**PYRENOMYCETES.**

{ *Sphaeria atropunctata*, S.  
 { *Anthostoma atropunctatum*, Sacc.  
*Anthostoma turgidum*, (P.) Nits.  
 { *Sphaeria vernicosa*, S.  
 { *Daldinia vernicosa*, Ces. & De Not.  
 { *Hypoxylon vernicosum*, M. A. Curtis.  
 { *Sphaeria albopruinosa*, S.  
 { *Diatrype albopruinosa*, C. & E.  
 { *Sphaeria disciformis*, Hoffm.  
 { *Diatrype disciformis*, Fr.  
 { *Sphaeria euphorea*, Fr.  
 { *Diatrype euphorea*, Cke.  
*Diatrype verrucoides*, Pk.  
*Diatrype virescens*, (S.) Rav. Fung. Car.  
*Dichaena caespitosa*, S.  
*Dichaena faginea*, (P.) Fr.  
 { *Sphaeria Radula*, P.  
 { *Valsa Radula*, Cke.  
 { *Eutypella grandis*, (Nits.) Sacc.  
 { *Sphaeria errabunda*, Rob.  
 { *Sphaerella errabunda*, Awd.  
 { *Gnomonia errabunda*, Awd.  
*Hypocrea polyporoides*, B. & C.  
*Hypoxylon argillaceum*, (P.) Fr.  
 { *Hypoxylon coccineum*, Bull.  
 { *Sphaeria fragiformis*, P.  
 { *Isaria umbrina*, P.  
 { *Institiale acariforme*, Fr.  
 { *Hypoxylon fragiforme*, B.  
 { *Sphaeria cohaerens*, P.  
 { *Hypoxylon cohaerens*, Fr.  
*Hypoxylon enteromelum*, (S.) B.  
*Hypoxylon fuscum*, (P.) Fr.  
*Hypoxylon rubiginosum*, (P.) Fr.  
*Hypoxylon stigmateum*, Cke.  
 { *Sphaeria turbinulata*, S.  
 { *Hypoxylon turbinulatum*, B.  
 { *Hysterium tumidum*, Fr.  
 { *Coccomyces tumida*, De Not.  
 { *Sphaeria crinita*, P.  
 { *Lasiosphaeria crinita*, Sacc.  
 { *Sphaeria viridicoma*, C. & P.  
 { *Lasiosphaeria viridicoma*, Sacc.

*Sphaeria melogramma*, S. Am. bor.  
 { *Sphaeria gyrosa*, S.  
 { *Peziza gyrosa*, Spreng.  
 { *Melogramma gyrosum*, Tul.  
*Microsphaera erineophila*, Pk.  
*Microsphaera penicillata*, (Wallr.) Lev.  
 { *Sphaeria quadrata*, S.  
 { *Diatrype obesa*, B. & C.  
 { *Diatrype exasperans*, Gerard.  
 { *Diatrype quadrata*, B.  
*Myrmaecium obesum*, Rehm.  
*Valsaria quadrata*, Sacc.  
*Melogramma obesum*, Rav. Fung. Am.  
*Valsaria exasperans*, B.  
*Myrmaecium quadratum*, Rehm.  
 { *Sphaeria coccinea*, P.  
 { *Nectria coccinea*, Fr.  
 { *Sphaeria Peziza*, Tode.  
 { *Nectria Peziza*, Fr.  
 { *Phyllactinia guttata*, Lev.  
 { *Phyllactinia suffulta*, (Reb.) Sacc.  
 { *Sphaeria quaternata*, P.  
*Valsa quaternata*, Fr.  
*Quaternaria Persoonii*, Tul.  
 { *Sphaeria Bombarda*, Batsch.  
*Bombardia fasciculata*, Fr.  
*Rosellinia fasciculata*, Cke.  
 { *Sphaeria mammaeformis*, P.  
 { *Rosellinia mammaeformis*, Ces. & De Not.  
*Botrytis spongiosa*, S.  
 { *Dacryomyces giganteus*, Spreng.  
*Scorias spongiosa*, Fr.  
 { *Sphaeria maculiformis*, P.  
 { *Sphaerella maculiformis*, Awd.  
*Sphaeria radicalis*, S.  
*Valsa compta*, Tul.  
*Valsa fagicola*, Ell. & Ev.  
*Valsa minutella*, Pk.  
 { *Sphaeria carpophila*, P.  
 { *Xylaria carpophila*, Fr.

## FUNGI IMPERFECTI.

*Bispora monilioides*, Cda.  
 ? *Clasterosporium herculeum*, Ell.  
 { *Discosia faginea*, Lib.  
 { *Discosia Artocreas*, (Tode) Fr.  
*Endobotrya elegans*, B. & C.  
*Fusarium lateritium*, Nees.  
*Gloeosporium Fagi*, (Rob.) Westd.  
*Melanconium* ? *grandis*, C. & E.  
 { *Naemaspora crocea*, P.  
 { *Myxosporium croceum*, Lk.  
*Phyllosticta fagicola*, Ell. & Morgan.  
*Phyllosticta faginea*, Pk.  
 { *Onygena faginea*, Fr.  
 { *Onygena decorticata*, S. Syn. Car.  
 { *Pilacre faginea*, B. & Br.  
*Septonema radians*, B. & Rav.

*Sporotrichum sulfureum*, Grev.  
*Stilbum rubicundum*, Tode.  
 { *Cheirospora botryospora*, Fr.  
 { *Thysidium botryosporum*, Mont.  
*Zygodesmus violaceofuscus*, Sacc.

## DISCOMYCETES.

{ *Helotium albopunctum*, Pk.  
 { *Pezizella albopuncta*, Sacc.  
*Helotium macrosporum*, Pk.  
 { *Patellaria pusilla*, Pk.  
 { *Lecanidion pusillum*, Sacc.  
 { *Peziza fuscescens*, P.  
 { *Dasyscypha fuscescens*, Rehm.  
 { *Peziza pallidula*, C. & P.  
 { *Geopyxis pallidula*, Sacc.

## HYMENOMYCETES.

*Agaricus appendiculatus*, Bull.  
 { *Agaricus atrocoeruleus*, Fr.  
 { *Pleurotus atrocoeruleus*, Sacc. Syll.  
*Agaricus (Pholiota) heteroclitus*, Fr.  
*Agaricus (Mycena) Leaianus*, B.  
*Agaricus (Pleurotus) lignatilis*, Fr.  
 { *Agaricus limonellus*, Pk.  
 { *Pholiota limonella*, Sacc. Syll.  
 { *Agaricus mucidus*, Schrad.  
 { *Armillaria mucida*, Sacc. Syll.  
 { *Agaricus niger*, S.  
 { *Pleurotus niger*, Sacc. Syll.  
 { *Agaricus sapidus*, Kalchb.  
 { *Pleurotus sapidus*, Sacc. Syll.  
 { *Agaricus subcoerulea*, Pk.  
 { *Mycena subcoerulea*, Sacc. Syll.  
*Agaricus (Mycena) Tintinnabulum*, Fr.  
*Corticium cinereum*, P.  
*Corticium subgiganteum*, B.  
*Crepidotus croceitinctus*, Pk.  
*Exidia Auricula-Judae*, (L.) Fr.  
*Exidia glandulosa*, (Bull.) Fr.  
*Favolus Canadensis*, Klotzsch.  
*Guepinia Spathularia*, (S.) Fr.  
*Hydnnum alutaceum*, Fr.  
*Hydnnum farinaceum*, P.  
*Hydnnum fuscoatrum*, Fr.  
 { *Thelephora corrugata*, Fr.  
 { *Corticium corrugatum*, Fr.  
 { *Hymenochaete corrugata*, Lev.  
*Hymenochaete rubiginosa*, (Schrad.) Lev.  
*Irpea ambigua*, Pk.  
*Lentinus ursinus*, Fr.  
*Merulius himantoides*, Fr.  
*Merulius rubellus*, Pk.  
*Panus conchatus*, (Bull.) Fr.  
*Panus dorsalis*, (Bosc) Fr.

*Phlebia pileata*, Pk.  
*Phlebia radiata*, Fr.  
 { *Polyporus fomentarius*, (L.) Fr.  
 { *Fomes fomentarius*, Karst.  
 { *Boletus graveolens*, S.  
 { *Polyporus graveolens*, Fr.  
 { *Polyporus conglobatus*, B.  
 { *Trametes graveolens*, Ell.  
 { *Fomes graveolens*, Cke.  
 { *Fomes conglobatus*, Sacc. Syll.  
 { *Polyporus isidioides*, B.  
 { *Mucronoporus isidioides*, Ell. & Ev.  
*Polyporus lacteus*, Fr.  
*Polyporus nigricans*, Fr.  
 { *Poria vitrea*, P.  
 { *Polyporus vitreus*, Fr.  
*Solenia fasciculata*, P.  
 { *Thelephora lobata*, Kze.  
 { *Stereum lobatum*, Fr.  
 { *Cantharellus crispus*, (P.) Fr.  
 { *Troglia crispa*, Fr.  
***Fagus sylvatica*, L.**  
*Diaporthe galericulata*, (Tul.) Sacc.  
*Diatrype virescens*, (S.) Rav. Fung. Car.  
 { *Patellaria rhabarbarina*, B.  
 { *Pezicula rhabarbarina*, Tul.  
*Septonema radicans*, B. & Rav.  
***Fagus*, sp. indet.**  
*Helotium fagineum*, (P.) Fr.  
*Libertella faginea*, Desm.  
*Peniophora cinerea*, (P.) Cke., var. *fumigata*, Sacc. Syll.  
***Ostrya Virginica*, Willd.**  
*Actidium* ? *diatrypoides*, Cke.  
 { *Hypocrea Ravenelii*, B.  
 { *Broomella Ravenelii*, Sacc.  
 { *Cenangium rubiginosum*, Cke.  
 { *Cenangium rubiginellum*, Sacc.  
 { *Sphaeria rostrata*, Fr.  
 { *Ceratostomella rostrata*, Sacc.  
*Corticium amorphum*, (P.) Fr.  
*Corticium comedens*, (Nees) Fr.  
*Corticium diminuens*, B. & C.  
*Corticium Oakesii*, B. & C.  
*Daedalea aurea*, Fr.  
 { *Hypoxylon concentricum*, (Bolt.) Grev.  
 { *Daldinia concentrica*, Ces. & De Not.  
 { *Valsaria actidia*, B. & Rav. in Herb B.  
 { *Diatrype actidia*, Cke.  
 { *Sphaeria platystoma*, S.  
 { *Hypoxylon platystoma*, Rav.  
 { *Diatrype platystoma*, M. A. Curtis.  
 { *Fusisporium udum*, B.  
 { *Pionnotes uda*, Sacc.  
 { *Sphaeria fimbriata*, P.  
 { *Gnomoniella fimbriata*, Sacc.  
 { *Sphaeria Gnomon*, Tode.  
 { *Gnomonia vulgaris*, Ces. & De Not.  
 { *Gnomoniella vulgaris*, Sacc.  
 { *Hypoxylon coccineum*, Bull.  
 { *Institale acariforme*, Fr.  
 { ? *Ptychogaster albus*, Cda.  
 { *Hypoxylon fragiforme*, (P.) B.  
*Hypoxylon Howeianum*, Pk.  
*Phyllactinia guttata*, Lev.  
*Polyporus obliquus*, (P.) Fr.  
*Septoria Ostryae*, Pk.  
*Stereum candidum*, (S.) Fr.  
 { *Sphaeria culcitella*, B. & Rav.  
 { *Trichosphaeria acanthostroma*, (Mont.) Sacc.  
 { *Byssosphaeria corynephora*, Cke.  
 { *Trichosphaeria corynephora*, Sacc.  
*Valsa hanstellata*, (Fr.) M. A. Curtis.  
***Quercus agrifolia*, Née.**  
 { *Sphaeria decorticata*, Cke. & Hark.  
 { *Amphisphaeria decorticata*, Berl. & Vogl.  
 { *Melanomma decorticata*, Cke. & Hark.  
*Ascomyces caerulescens*, Mont. & Desm.  
*Aulographum reticulatum*, Phil. & Hark.  
*Beltrania querna*, Hark.  
 { *Sphaeria Quercum*, S.  
 { *Melogramma Quercum*, Fr.  
 { *Melanops Quercum*, Rehm.  
 { *Melogramma fuliginosum*, Ell. p. p.  
 { *Botryosphaeria Quercum*, Sacc.  
*Chaetophoma quercifolia*, Cke.  
*Dichaena quercina*, (P.) Fr.  
*Erysiphe trina*, Hark.  
*Gloeosporium quernum*, Hark.  
*Helicosporium vegetum*, Nees.  
*Helminthosporium persistens*, Cke.  
*Helotium furfuraceum*, Phil. & Hark.  
*Hysterium pulicare*, P.  
*Irpe obliquus*, (Schrad.) Fr.  
 { *Physalospora bina*, Hark.  
 { *Laestadia bina*, Cke.  
 { *Xyloma pezizoides*, P.  
 { *Phacidium coronatum*, Fr.  
 { *Phillipsiella nigella*, Phil. & Hark.  
 { *Microphyma nigellum*, Sacc.  
*Phoma discosiaeformis*, Cke. & Hark.  
*Phyllosticta phomiformis*, Sacc.  
*Pocillum Cesatii*, (Mont.) De Not.  
*Polyscytalum sericeum*, Sacc.  
*Sphaeropsis quercina*, Cke. & Hark.  
 { *Oidium ventricosum*, Hark.  
 { *Sphaerotheca lanestris*, Hark.  
*Stereum ochraceoflavum*, (S.) Rav.  
*Stereum rugosum*, P.  
 { *Rhytisma erythrosporum*, B. & C.  
 { *Trabutia erythrospora*, Cke.  
*Trabutia quercina*, (Fr. & Rud.) Sacc. & Roum.  
*Zygodesmus pannosus*, B. & C.

*Quercus alba*, L.

## PYRENOMYCETES.

*Acrospermum viridulum*, B. & C.  
 { *Hysterium hiascens*, B. & C.  
 { *Triblidium hiascens*, Cke.  
 { *Blitridium hiascens*, Sacc.  
 { *Valsa farinosa*, Ell.  
 { *Cryptosporella farinosa*, Sacc.  
 { *Sphaeria Taleola*, Fr.  
 { *Valsa Taleola*, Fr.  
 { *Aglaospora Taleola*, Tul.  
 { *Diaporthe Taleola*, Sacc.  
*Diaporthe Raveneliana*, Thm. & Rehm.  
 { *Diatrype Duriae*, Thm. M. U.  
 { *Diatrype albopruinosa*, (S.) C. & E.  
*Dichaena quercina*, (P.) Fr.  
*Didymosphaeria (Amphisphaeria) atrogrisea*, C. & P.  
*Eutypa velutina*, (Wallr.) Sacc.  
 { *Valsa phaeospora*, Sacc.  
 { *Fnestella phaeospora*, Sacc.  
 { *Sphaeria annulata*, S.  
 { *Sphaeria marginata*, S.  
 { *Hypoxylon annulatum*, Mont.  
 { *Hypoxylon marginatum*, B.  
 { *Sphaeria durissima*, S.  
 { *Hypoxylon durissimum*, Fr.  
*Hypoxylon perforatum*, (S.) Fr.  
 { *Hysterium stygium*, Cke.  
 { *Hysterographium stygium*, Sacc.  
 { *Massaria bufonia*, (B. & Br.) Tul.  
 { *Massariella bufonia*, Speg.  
 { *Massaria sudans*, B. & C.  
 { *Massariella sudans*, Sacc.  
 { *Massariovalsa sudans*, Sacc.  
*Melanconis chrysostoma*, (Fr.) Tul.  
 { *Microsphaera extensa*, C. & P.  
 { *Microsphaera quercina*, (S.) Burrill.  
 { *Hypoxylon punctulatum*, B. & Rav.  
 { *Diatrype punctulata*, B. & Rav.  
 { *Nummularia punctulata*, Sacc.  
 { *Sphaeria myriadea*, DC.  
 { *Sphaeria dendroides*, S.  
 { *Sphaerella myriadea*, Awd.  
 { *Sphaerulina myriadea*, Sacc.  
 { *Sphaerella dendroides*, Cke.  
*Valsa ceratophora*, Tul.  
*Valsa lasiostoma*, Ell. & Ev.  
 { *Sphaeria leiphaemia*, Fr.  
 { *Valsa leiphaemia*, Fr.  
 { *Diaporthe leiphaemia*, Sacc.  
*Valsa leiphaemoides*, B. & C.  
*Valsa pulchelloidea*, C. & E.  
*Valsaria rubricosa*, (Fr.) Sacc.  
 { *Sphaeria Orbicula*, S.  
 { *Venturia Orbicula*, C. & P.

## FUNGI IMPERFECTI.

*Cladosporium brevipes*, Pk.  
*Coryneum Kunzei*, Cda.

*Cylindrosporium microspilum*, Sacc. & Wint.  
*Cytospora pustulata*, B. & C.  
*Epidochium nigricans*, Fr.  
*Gloeosporium Canadense*, Ell. & Ev.  
*Gloeosporium nervisequum*, (Fckl.) Sacc.  
*Gloeosporium septorioides*, Sacc.  
*Harknessia caudata*, Ell. & Ev.  
*Helminthosporium Tiara*, B. & Rav.  
*Leptothyrium dryinum*, Sacc.  
*Marsonia Martini*, Sacc. & Ell.  
*Melanconium bicolor*, Nees.  
 { *Pestalozzia monochaeta*, Desm.  
 { *Pestalozzia Peckii*, Clinton.  
*Pestalozzia nervalis*, Ell. & Ev.  
*Pestalozzia pallida*, Ell. & Martin.  
*Pestalozzia Saccardoi*, Speg.  
*Pestalozzia taphrinicola*, Ell. & Ev.  
*Phoma glandicola*, Lev.  
*Phoma vixvisibilis*, Thm.  
*Phyllosticta phomiformis*, Sacc.  
*Phyllosticta Quercus*, Sacc. & Speg.  
*Phyllosticta tumoricola*, Pk.  
 { *Sphaeropsis quercina*, C. & E.  
 { *Dothiorella quercina*, Sacc.  
*Sporidesmium fumosum*, Ell. & Ev.  
*Strumella coryneoidea*, Sacc. & Wint.

## DISCOMYCETES.

*Cenangium confusum*, S.  
*Cenangium sphaeriaemorphum*, S.  
 { *Peziza triangularis*, S.  
 { *Cenangium triangulare*, Fr.  
 { *Coccomyces triangularis*, Sacc.  
*Dermatea lobata*, Ell.  
*Dermatea tabacina*, Cke.  
 { *Peziza lenticularis*, Bull.  
 { *Helotium lenticulare*, Fr.  
 { *Dermatea Cucurbitaria*, Cke.  
 { *Patellaria Cucurbitaria*, Rehm.  
 { *Peziza echinulata*, Awd.  
 { *Peziza capitata*, Pk.  
 { *Trichopeziza ciliaris*, (Schrad.) Rehm.  
 { *Trichopeziza capitata*, Sacc.  
*Psilopezia flava*, B. & C.  
*Schizoxylon moniliferum*, Ell. & Ev.  
 { *Stictis niveopurpurea*, Ell. & Ev.  
 { *Cryptodiscus niveopurpureus*, Sacc.  
 { *Taphrina caerulescens*, (Mont. & Desm.)  
 { *Tul.*  
 { *Taphrina Quercus*, (Cke.) Sacc.

## HYMENOMYCETES.

{ *Corticium Oakesii*, B. & C.  
 { *Aleurodiscus Oakesii*, Cke.  
 { *Merulius incarnatus*, S.  
 { *Cantharellus incarnatus*, S.

*Corticium caeruleum*, (Schrad.) Fr.  
*Corticium citrinum*, B. & Rav.  
*Dacryomyces stillatus*, Nees.  
*Daedalea quercina*, (L.) P.  
*Daedalea unicolor*, Fr.  
*Exidia recisa*, Fr.  
*Fistulina pallida*, B. & Rav.  
*Hydnus adustum*, S.  
 { *Corticium corticola*, B. & Rav.  
 { *Hymenochaete corticolor*, B. & Rav.  
 { *Stereum Curtisi*, B.  
 { *Thelephora Curtisi*, B.  
 { *Hymenochaete Curtisi*, Morg.  
 { *Irpex fuscescens*, S.  
 { *Irpex cinnamomeus*, Fr.  
*Lenzites vialis*, Pk.  
 { *Polyporus appplanatus*, Fr.  
 { *Fomes appplanatus*, Karst.  
 { *Ganoderma appplanatum*, Pat.  
*Polyporus Beattie*, Banning.  
 { *Boletus cinnabarinus*, Jacq.  
 { *Polyporus cinnabarinus*, Fr.  
 { *Sistotrema cinnabarinum*, S.  
 { *Hydnus cinnabarinum*, Fr.  
 { *Trametes cinnabrina*, Fr.  
 { *Polystictus cinnabarinus*, Cke.  
 { *Polyporus pargamenus*, Fr.  
 { *Polyporus elongatus*, B.  
 { *Polyporus laceratus*, M. A. Curtis.  
 { *Polystictus elongatus*, Fr.  
 { *Polystictus pargamenus*, Fr.  
 { *Polyporus pseudopargamenus*, Thm.  
 { *Polystictus pseudopargamenus*, Sacc. Syll.  
 { *Polyporus versicolor*, (L.) Fr.  
 { *Polystictus versicolor*, Fr.  
*Stereum complicatum*, Fr.  
 { *Thelephora frustulata*, P.  
 { *Stereum frustulosum*, Fr.  
*Stereum versiforme*, B. & C.

## MISCELLANEA.

{ *Licea appplanata*, B.  
 { *Clathroptychium rugulosum*, (Wallr.) Rostf.  
*Uredo Quercus*, Brondeau.  
*Quercus aquatica*, Walt.  
*Aulographum Liturae*, Cke.  
*Aulographum maculare*, B. & Br.  
*Byssosphaeria acanthostroma*, (Mont.) Cke.  
*Diatrype bispora*, B. & C.  
 { *Discella quercina*, Cke.  
 { *Discula quercina*, Sacc.  
 { *Hysterium chlorinum*, B. & C.  
 { *Glonium chlorinum*, Sacc.  
 { *Microsphaera Hedwigii*, Auct. Amer. p. p.  
 { *Microsphaera penicillata*, Auct. Amer. p. p.  
 { *Microsphaera extensa*, C. & P.  
 { *Microsphaera quercina*, (S.) Burrill.  
 { *Phyllactinia guttata*, Lev.  
 { *Phyllactinia suffulta*, (Reb.) Sacc.

*Phyllosticta Ludoviciana*, Ell. & Martin.  
*Phyllosticta marginalis*, Ell. & Ev.  
 { *Boletus graveolens*, S.  
 { *Polyporus graveolens*, Fr.  
 { *Polyporus conglobatus*, B.  
 { *Fomes graveolens*, Cke.  
*Polyscytalum cylindroides*, Sacc. & Ell.  
*Sphaerella aquatica*, Cke.  
 { *Sphaeria punctiformis*, P.  
 { *Sphaerella punctiformis*, Fr.  
*Taphrina caerulescens*, (Mont. & Desm.) Tul.  
*Quercus bicolor*, Willd.  
*Hysterium hiascens*, B. & C.  
 { *Microsphaera abbreviata*, Pk.  
 { *Microsphaera quercina*, (S.) Burrill.  
 { *Sphaerella spleniata*, C. & P.  
 { *Sphaerella nigrita*, Cke.  
*Quercus Catesbeiana*, Michx.  
*Coniothyrium epiphyllum*, Cke.  
*Graphium explicatum*, B. & C.  
*Microsphaera abbreviata*, Pk.  
 { *Phoma Catesbeiana*, Thm.  
 { *Chaetophoma Catesbeiana*, Cke.  
 { *Sphaeropsis nervisequa*, Cke.  
 { *Phoma nervisequa*, Sacc.  
*Polyporus graveolens*, (S.) Fr.  
*Sphaerella Catesbeiana*, Cke.  
*Trichopeziza punctiformis*, (Fr.) Fckl., var. *nivea*, Sacc.  
*Quercus chrysolepis*, Liebm., var. *vacinifolia*, Engelm.  
 { *Hysterium foliicolum*, Fr.  
 { *Lophodermium hysterioides*, (P.) Sacc.  
*Quercus cinerea*, Michx.  
 { *Torula insularis*, Thm.  
 { *Oospora insularis*, Sacc. & Vogl.  
*Phyllosticta vesicatoria*, Thm.  
 { *Taphrina caerulescens*, (Mont. & Desm.) Tul.  
 { *Ascomyces Quercus*, Cke.  
 { *Taphrina Quercus*, Sacc.  
*Quercus coccinea*, Wang.

## PYRENOMYCETES.

{ *Diatrype dryophila*, Curr., var. *minor*, Cke.  
 { *Anthostoma dryophilum*, Sacc., var. *minor*, Rehm.  
 { *Diatrype grandinea*, B. & Rav.  
 { *Anthostoma grandineum*, Sacc.  
 { *Fuckelia grandinea*, Cke.  
 { *Camarops grandinea*, Cke.  
*Byssosphaeria luteobasis*, (Ell.) Cke.  
*Diaporthe densissima*, Ell.  
*Diatrype quadrata*, (S.) B.  
 { *Sphaeria (Didymosphaeria) Cupula*, Ell.  
 { *Didymosphaeria circinans*, Hark.

- { *Valsa lutescens*, Ell.
- { *Eutypella lutescens*, Sacc.
- { *Sphaeria atropunctata*, S.
- { *Hypoxylon atropunctatum*, Frost's Cat.
- { *Anthostoma atropunctatum*, Sacc.
- { *Sphaeronomema subcorticale*, C. & E.
- { *Hypotheeca subcorticalis*, Ell. & Ev.
- { *Nectria lasioderma*, Ell.
- { *Lasionectria lasioderma*, Cke.
- { *Physalospora quercifolia*, Ell. & Ev.
- { *Laestadia quercifolia*, Cke.
- Microsphaera quercina*, (S.) Burrill.
- Phyllactinia suffulta*, (Reb.) Sacc.
- Sphaerella (Laestadia) polystigma*, Ell. & Ev.
- Triblidium hiascens*, (B. & C.) Cke.
- Valsa clausa*, C. & E.
- Valsa multiplex*, C. & E.
- Valsa pulchelloidea*, C. & E.
- { *Venturia Orbicula*, (S.) C. & P., var. *sparsa*,
- { Ell. & Ev.

## FUNGI IMPERFECTI.

- Cytospora chrysosperma*, (P.) Fr.
- Diplodia longispora*, C. & E.
- Gloeosporium nervisequum*, (Fckl.) Sacc.
- Harknessia hyalina*, Ell. & Ev.
- Leptothyrium dryinum*, Sacc.
- { *Pestalozzia microspora*, Ell. & Ev.
- { *Pestalozzia minor*, Ell. & Ev.
- Pestalozzia taphrinicola*, Ell. & Ev.
- Phoma parasitica*, Ell. & Ev.

## DISCOMYCETES.

- Bulgaria inquinans*, (P.) Fr.
- { *Dermatea tetraspora*, Ell.
- { *Cenangium tetrasporum*, Sacc.
- { *Peziza quernea*, S.
- { *Cenangium turgidum*, Fr.
- Dermatea tabacina*, Cke.
- { *Patellaria cenangiicola*, Ell. & Ev.
- { *Patellea cenangiicola*, Sacc.
- { *Propolis glauca*, Ell.
- { *Propolidium glaucum*, Sacc.
- Schizoxylon moniliforme*, Ell. & Ev.
- { *Ascomyces caerulescens*, Mont. & Desm.
- { *Taphrina caerulescens*, Tul.
- { *Ascomyces Quercus*, Cke.
- { *Exoascus caerulescens*, Sadebeck.
- { *Taphrina Quercus*, Sacc.

## MISCELLANEA.

- Corticium rubrocanum*, Thm.
- Cronartium asclepiadeum*, (Willd.) Fr., var. *Quercuum*, B. & C.
- { *Thelephora pedicellata*, S.
- { *Gausapia pedicellata*, Fr.
- Polyporus cupulaeformis*, B. & C.

- { *Quercus coccinea*, Wang., var. *tinctoria*,
- Gray.

## PYRENOMYCETES.

- { *Sphaeria atropunctata*, S.
- { *Anthostoma atropunctatum*, Sacc.
- { *Sphaeria cirrhosa*, P.
- { *Ceratostomella cirrhosa*, Sacc.
- Diatrype platystoma*, (S.) M. A. Curtis.
- Diatrype roseola*, Wint.
- Eutypa velutina*, (Wallr.) Sacc.
- Hypoxylon annulatum*, (S.) Mont.
- { *Hysterium Gloniopsis*, Gerard.
- { *Gloniopsis Gerardiana*, Sacc.
- Hysterium pulicare*, P.
- { *Sphaeria Pezizula*, B. & C.
- { *Lasiosphaeria Pezizula*, Sacc.
- { *Herpotricha Pezizula*, Wint.
- { *Melanconis sigmoideum*, C. & E.
- { *Pseudovalsa sigmoidea*, Sacc.
- { *Erysiphe densissima*, S.
- { *Microsphaera densissima*, C. & P.
- Microsphaera quercina*, (S.) Burrill.
- Nectria lecanodes*, Ces.
- Nummularia punctulata*, (B. & Rav.) Sacc.
- ? *Ophiobolus hamasporus*, Ell. & Ev.
- { *Phyllactinia guttata*, Lev.
- { *Phyllactinia suffulta*, (Reb.) Sacc.
- { *Diatrype obesa*, B. & C.
- { *Diatrype quadrata*, (S.) B.
- { *Valsaria quadrata*, Sacc.
- { *Melogramma obesum*, Rav. Fung. Am.
- { *Sphaeria Orbicula*, S.
- { *Venturia Orbicula*, C. & P.
- Xylaria Hypoxylon*, (L.) Grev.

## FUNGI IMPERFECTI.

- Asteroma tinctorium*, Cke.
- { *Dichaena quercina*, (P.) Fr.
- { *Psilospora quercina*, Wint.
- Gloeosporium septorioides*, Sacc.
- Pestalozzia stellata*, B. & C.
- Pestalozzia uncinata*, Ell. & Kell.
- Polyscytalum sericeum*, Sacc.
- Septoria dryina*, Cke.
- Septoria querciti*, Thm.
- { *Sphaeropsis quercina*, C. & E.
- { *Dothiorella quercina*, Sacc.

## DISCOMYCETES.

- { *Ascomycetella quercina*, Pk.
- { *Cookella quercina*, Sacc.
- ? { *Tymanopis stictica*, B. & C.
- { *Cenangium sticticum*, Sacc.
- Peziza occidentalis*, S.
- Taphrina caerulescens*, (Mont. & Desm.) Tul.
- Urnula Craterium*, (S.) Fr.

## HYMENOMYCETES.

- { *Michenera Artocreas*, B. & C.
- { *Artocreas Micheneri*, B. & C.
- { *Aleurodiscus Micheneri*, Massee.
- Hymenochaete scabriseta*, Cke.
- Irpea tabacinus*, B. & C.
- Lenzites betulina*, (L.) Fr.
- Marasmius amadelphus*, (Bull.) Fr.
- Marasmius foetidus*, (Sow.) Fr.
- Panus stipticus*, (Bull.) Fr.
- Polyporus cupulaeformis*, B. & C.
- Polyporus gilvus*, (S.) Fr.
- Polyporus pargamenus*, Fr.
- { *Polyporus purpureus*, Fr.
- { *Poria purpurea*, Cke.
- Polyporus versicolor*, (L.) Fr.
- Radulum orbiculare*, Fr.
- Radulum quercinum*, (P.) Fr.
- Stereum complicatum*, Fr.
- Stereum subpileatum*, B. & C.
- Stereum versicolor*, (Swartz) Fr.
- Trametes cinnabarina*, (Jacq.) Fr.

## MISCELLANEA.

- Cronartium asclepiadeum*, (Willd.) Fr., var.
- Quercuum*, B. & C.
- Lycoperdon leprosum*, B. & Rav.
- Quercus densiflora*, Hook. & Arn.
- Chalara setosa*, Hark.
- Laestadia caelata*, Hark.
- { *Sphaeria conflicta*, Cke.
- { *Linospora conflicta*, Sacc.
- Quercus Douglasii*, Hook. & Arn.
- Ascomyces Quercus*, Cke.
- Coryneum umbonatum*, Nees.
- Quercus falcata*, Michx.
- { *Sphaeria atropunctata*, S.
- { *Diatrype atropunctata*, M. A. Curtis.
- { *Hypoxylon atropunctatum*, Frost's Cat.
- Anthostoma atropunctatum*, Sacc.
- { *Cenangium concinnum*, B. & C.
- { *Scleroderris concinna*, Sacc.
- { *Melogramma obesa*, (B. & C.) Rav. Fung. Am.
- { *Valsaria quadrata*, (S.) Sacc.
- { *Hypoxylon nummularium*, Bull.
- { *Sphaeria nummularia*, DC.
- { *Nummularia Bulliardii*, Tul.
- Merulius incarnatus*, S.
- Microsphaera quercina*, (S.) Burrill.
- Phyllactina suffulta*, (Reb.) Sacc.
- Rainularia crypta*, Cke.
- Septoria dryina*, Cke.
- Quercus hypoleuca*, Engelm.
- Asteroma Pringlei*, Pk.

*Quercus ilicifolia*, Wang.

- Corticium corrugatum*, Fr.
- { *Gloeosporium Quercus*, Pk.
- { *Marsonia Quercus*, Pk.
- Helminthosporium macrocarpon*, Grev.
- { *Melanconis sigmoideum*, C. & E.
- { *Pseudovalsa sigmoidea*, Sacc.
- { *Erysiphe quercina*, S.
- { *Microsphaera quercina*, Burrill.
- Titaea Clarkei*, Ell. & Ev.

*Quercus imbricaria*, Michx.

- Cenangium confusum*, S.
- Cenangium turgidum*, Fr.
- { *Marsonia quercina*, Wint.
- { *Gloeosporium septorioides*, Sacc.
- { *Microsphaera extensa*, C. & P.
- { *Microsphaera quercina*, (S.) Burrill.
- Stagonospora septorioides*, Ell. & Ev.
- Stictis radiata*, P.

*Trematosphaeria mastoidea*, (Fr.) Wint.*Quercus Kelloggii*, Newberry.

- Septogleum defolians*, Hark.

*Quercus laurifolia*, Michx.

- { *Ascomycetella aurantiaca*, Ell. & Martin.
- { *Leptophyma aurantiacum*, Sacc.
- Ascomycetella Floridana*, Ell. & Martin.
- Asterina discoidea*, Ell. & Martin.
- { *Asterina erysiphoides*, Ell. & Martin.
- { *Asterina patelloides*, Ell. & Martin.
- Asterina pustulata*, Ell. & Martin.
- Asterina stomatophora*, Ell. & Martin.
- Asterina subcyanea*, Ell. & Martin.
- { *Calonectria erubescens*, (Rob.) Sacc.
- { *Dialonectria erubescens*, Cke.

*Helminthosporium foliculatum*, Cda., var.

- Carolinense*, Sacc.
- Helotium castaneum*, Sacc. & Ell.
- Microsphaera densissima*, (S.) C. & P.
- { *Patellaria cyanea*, Ell. & Martin nec. Cke.
- { *Patellea cyanea*, Sacc.
- Polyporus gilvus*, (S.) Fr.
- Polyporus plebeius*, B.
- Saccardia Martinii*, Ell. & Sacc.
- Septoria Serpentaria*, Ell. & Martin.
- { *Taphrina caerulescens*, (Mont. & Desm.) Tul.
- { *Ascomyces Quercus*, Cke.

*Trabutia quercina*, (Fr. & Rud.) Sacc.*Venturia cupulata*, Ell. & Martin.*Quercus lyrata*, Walt.

- { *Sphaeria colliculosa*, S.
- { *Hypoxylon colliculosum*, M. A. Curtis.
- Quercus macrocarpa*, Michx.
- Microsphaera quercina*, (S.) Burrill.
- { *Clasterosporium uncinatum*, Clinton.
- { *Sporidesmium helicosporum*, Sacc.
- { *Ceratophorum uncinatum*, Sacc.

*Coryneum effiguratum*, S.  
*Helminthosporium macrocarpon*, Grev.  
 { *Hysterium pulicare*, N. A. F.  
 { *Hysterographium hiascens*, Rehm.  
*Irpex flavus*, Klotsch.  
*Microsphaera quercina*, (S.) Burrill.  
*Phyllactinia suffulta*, (Reb.) Sacc.  
*Phyllosticta Quercus*, Sacc. & Speg.  
*Polyporus Radula*, (P.) Fr.  
*Rosellinia Gaudefroyi*, Fabre.  
 { *Acomyces extensus*, Pk. •  
 { *Taphrina extensa*, Sacc.  
*Uredo Quercus*, Brondeau.  
*Venturia Orbicula*, (S.) C. & P.  
*Volutella quercina*, S.  
***Quercus nigra*, L.**  
*Angelina rufescens*, (S.) Duby.  
*Bulgaria inquinans*, (P.) Fr.  
*Chaetophoma quercifolia*, Cke.  
*Cronartium asclepiadeum*, (Willd.) Fr., var.  
 Quercuum, B. & C.  
*Diatrype dryophila*, Curr., var. minor, Cke.  
*Diatrype subferruginea*, B. & Rav.  
*Dichaena strumosa*, Fr.  
? *Gloeosporium septorioides*, Sacc., var.  
 major, Ell. & Ev.  
*Graphium explicatum*, B. & C.  
*Helminthosporium macrocarpon*, Grev.  
*Hypoxylon glomiforine*, B. & C.  
 { *Microsphaera penicillata*, Auct. Amer. p. p.  
 { *Microsphaera quercina*, (S.) Burrill.  
*Mucronoporus Everhartii*, Ell. & Gall.  
 { *Sphaeria Clypeus*, S.  
*Hypoxylon Clypens*, M. A. Curtis.  
*Diatrype Clypeus*, B.  
*Nummularia Bulliardii*, Auct. Amer. p. p.  
*Nummularia Clypeus*, Cke.  
*Pestalozzia hysteriformis*, B. & C.  
*Phacidium dentatum*, Schm. & Kze.  
*Phoma dendritica*, Thm.  
 { *Boletus hispidus*, Bull.  
 { *Polyporus hispidus*, Fr.  
 { *Polyporus xantholoma*, S.  
 { *Poria xantholoma*, Cke.  
 { *Sphaeridium miniatum*, Sacc.  
 { *Cylindrocolla miniata*, Sacc.  
 { *Sphaeria Orbicula*, S.  
 { *Venturia Orbicula*, C. & P.  
***Quercus palustris*, Du Roi.**  
? *Microcera coccophila*, Desm.  
*Microsphaera extensa*, C. & P.  
*Pestalozzia maura*, Ell. & Ev.  
***Quercus Phellos*, L.**  
 { *Sphaeria Pustula*, P.  
 { *Phoma Pustula*, Fr.  
*Hypospila Pustula*, Karst.  
 { *Sphaeria Phellos*, S.  
 { *Sphaerella Phellos*, Cke.

***Quercus prinoides*, Willd.**  
*Diatrype albopruinosa*, (S.) C. & E.  
*Marsonia Martini*, Sacc. & Ell.  
*Sphaerella spleniata*, C. & P.  
*Uredo Quercus*, Brondeau.  
***Quercus Prinus*, L.**  
 { *Valsa condensata*, B. & C.  
 { *Fenestella condensata*, Sacc.  
 { *Sphaeria exilis*, A. & S.  
*Caelosphaeria exilis*, Sacc.  
 { *Lasiosphaeria exilis*, Cke.  
*Microsphaera quercina*, (S.) Burrill.  
 { *Peziza prinicola*, Ell. & Ev.  
 { *Mollisia prinicola*, Sacc.  
*Sphaeropsis abundans*, Pk.  
*Stereum candidum*, (S.) Fr.  
*Venturia Orbicula*, (S.) C. & P.  
***Quercus rubra*, L.**  
*Angelina rufescens*, (S.) Duby.  
 { *Ascomyces caerulescens*, Mont. & Desm.  
 { *Taphrina caerulescens*, Tul.  
*Ascomyces rubrobrunneus*, Pk.  
 { *Botrytis macrospora*, Lk.  
 { *Dactylium macrosporum*, Fr.  
 { *Sphaeria luteobasis*, Ell.  
*Eutypa luteobasis*, Sacc.  
*Byssosphaeria luteobasis*, Cke,  
*Cytospora intermedia*, Sacc.  
 { *Sphaeria spinosa*, P.  
*Sphaeria penicillosa*, S.  
 { *Sphaeria limaeformis*, S.  
*Eutypa spinosa*, Tul.  
*Eutypa limaeformis*, B.  
*Gloeosporium quercinum*, Westd.  
 { *Hydnium Rhois*, S.  
 { *Hydnium flabelliforme*, B.  
*Melanconium bicolor*, Nees.  
 { *Erysiphe quercina*, S.  
*Microsphaera extensa*, C. & P.  
*Microsphaera abbreviata*, Pk.  
*Microsphaera quercina*, Burrill.  
*Orcadella operculata*, Wingate.  
*Orthotrichia microcephala*, Wingate.  
 { *Patellaria similis*, Gerard.  
*Durella similis*, Sacc.  
 { *Peziza pollinaria*, Cke.  
*Trichopeziza pollinaria*, Sacc.  
*Phyllactinia suffulta*, (Reb.) Sacc.  
*Phyllosticta Quercus-rubrae*, Gerard.  
*Polyporus dryophilus*, B.  
*Polyporus versicolor*, (L.) Fr.  
*Septoria Querceti*, Thm.  
*Tubercularia quercina*, Opiz.  
 { *Sphaeria inflata*, Ell.  
*Zignoella inflata*, Sacc.  
*Conisphaeria inflata*, Cke.  
***Quercus stellata*, Wang.**  
*Acrospermum viridulum*, B. & C.

*Capnodium Caroliniense*, B. & Desm.  
*Capnodium quercinum*, (P.) B. & Desm.  
*Cladosporium microspermum*, B. & C.  
*Eutypa velutina*, (Wallr.) Sacc.  
*Excipula subcalva*, Ell. & Ev.  
 { *Cylindrium pallidum*, Thm.  
 { *Fusidium pallidum*, Sacc.  
 { *Marsonia Martini*, Sacc. & Ell.  
 { *Gloeosporium Martini*, Ell. & Ev.  
*Helminthosporium macrocarpon*, Grev.  
 var. *caudatum*, B. & C.  
 { *Hendersonia variabilis*, B. & C.  
 { *Camarosporium variabile*, Sacc.  
 { *Stereum tabacinum*, (Sow.) Fr.  
 { *Hymenochaete tabacina*, Lev.  
 { *Microsphaera penicillata*, Auct. Amer. p. p.  
 { *Microsphaera quercina*, (S.) Burrill.  
 { *Phacidium dentatum*, Schm. & Kze.  
 { *Coccomyces dentatus*, Sacc.  
*Phoma innumerabilis*, Thm.  
*Phoma vixvisibilis*, Thm.  
*Phyllosticta phomiformis*, Sacc.  
 { *Boletus cinnabarinus*, Jacq.  
 { *Polyporus cinnabarinus*, Fr.  
*Polyporus cupulaeformis*, B. & C.  
*Rhnotrichum breve*, B. & C.  
 { *Sphaeria punctiformis*, P.  
 { *Sphaerella punctiformis*, Fr.  
 { *Thelephora candida*, S. Syn. Car.  
 { *Thelephora candidissima*, S. Am. bor.  
 { *Stereum candidum*, Fr.  
*Stereum Curtissii*, B.  
 { *Valsa albofusca*, C. & E.  
 { *Cryptospora albofusca*, Sacc.  
*Valsa leiphaemoides*, B. & C.  
***Quercus virens***, Ait.  
*Aulographum quercinum*, Ell. & Martin.  
*Cercospora polytricha*, Cke.  
*Cronartium asclepiadeum*, (Willd.) Fr., var.  
*Quercuum*, B. & C.  
 { *Hendersonia virens*, Ell. & Martin.  
 { *Stagonospora virens*, Ell. & Martin.  
*Hymenochaete rubiginosa*, (Schrad.) Lev.  
*Hypoxylon bicolor*, Ell. & Ev.  
 { *Sphaeria Janus*, B. & C.  
 { *Leptosphaeria Janus*, Sacc.  
 { *Heptameria Janus*, Cke.  
*Patellaria cyanea*, Ell. & Martin nec Cke.  
*Pestalozzia concentrica*, B. & Rav.  
*Pestalozzia maura*, Ell. & Ev.  
*Phillipsiella atra*, Cke.  
*Phoma glandicola*, Lev.  
*Phyllosticta virens*, Ell. & Langlois.  
*Pocillum Americanum*, Cke.  
*Polyscytalum cylindroides*, Sacc. & Ell.  
*Saccardia quercina*, Cke.  
*Sphaerellopsis Quercuum*, Cke.  
*Stictis quercifolia*, C. & E.

*Trabutia quercina*, (Fr. & Rud.) Sacc. & Roum.  
*Uredo Quercus*, Brondeau.  
***Quercus Wislizeni***, A. DC.  
*Laestadia auripuncta*, Hark.  
*Quercus*, sp. indet.

## PYRENOMYCETES.

## Perisporiaceae.

*Asterina intricata*, Ell. & Martin.  
*Eurotium herbariorum*, Lk., var. *epixylon*, Ell.  
*Meliola amphitricha*, Fr.  
*Meliola manca*, Ell. & Martin.

## Sphaeriaceae.

*Sphaeria decastyla*, Cke.  
 { *Acanthostigma decastylum*, Sacc.  
*Venturia decastyla*, Cke.  
*Sphaeria botulispora*, Cke.  
 { *Amphisphaeria botulispora*, Sacc.  
*Xylosphaeria botulispora*, Cke.  
 ? { *Fuckelia amplispora*, Cke.  
 { *Anthostoma amplisporum*, Berl. & Vogl.  
*Sphaeria irregularis*, Sow.  
*Sphaeria gastrina*, Fr.  
*Diatrype gastrina*, Rav. Fung. Car.  
*Melogramma gastrinum*, Tul.  
*Valsa gastrina*, M. A. Curtis.  
*Anthostoma gastrinum*, Sacc.  
*Fuckelia gastrina*, Cke.  
 { *Sphaeria atrobarba*, C. & E.  
 { *Chaetosphaeria atrobarba*, Sacc.  
*Chaetosphaeria innumera*, (B. & Br.) Tul.  
 { *Cucurbitaria radicalis*, Cke.  
*Coelosphaeria radicalis*, Sacc.  
*Nitschka radicalis*, Cke.  
 { *Valsa trichispora*, C. & P.  
 { *Cryptospora trichospora*, Sacc.  
*Cucurbitaria confluens*, Plow.  
 { *Melogramma dichaenoides*, B. & C.  
 { *Diaporthe dichaenoides*, Sacc.  
*Botryosphaeria dichaenoides*, Cke.  
 { *Eutypa subpyramidata*, B. & C.  
 { *Diaporthe subpyramidata*, Sacc.  
 { *Valsa Woolworthii*, Pk.  
 { *Diaporthe Woolworthii*, Sacc.  
 { *Diatrype aspera*, Fr.  
 { *Diatrypella aspera*, Nits.  
*Diatrype bullata*, (Hoffm.) Fr.  
*Diatrype corniculata*, (Ehrh.) Rav. Fung. Car.  
*Diatrype disciformis*, (Hoffm.) Fr.  
 { *Sphaeria ferruginea*, P.  
 { *Diatrype ferruginea*, Fr.  
*Sillia ferruginea*, Karst.  
*Diatrype platystoma*, (S.) M. A. Curtis.

{ *Sphaeria quercina*, P.  
 { *Diatrype quercina*, Fr.  
 { *Diatrypella quercina*, Nits.  
*Diatrype quercina*, (P.) Fr., var. *lignicola*,  
 C. & E.  
 { *Sphaeria Stigma*, Hoffm.  
 { *Diatrype Stigma*, Fr.  
*Diatrype verrucaeformis*, (Ehrh.) Fr.  
*Didymosphaeria denudata*, Ell. & Gall.  
 { *Sphaeria parietalis*, B. & C.  
 { *Enchnosphaeria parietalis*, Sacc.  
 { *Byssosphaeria parietalis*, Cke.  
*Eutypa lata*, (P.) Tul.  
 { *Sphaeria Mela*, S.  
 { *Eutypa Mela*, Cke.  
*Eutypa micropuncta*, Cke.  
 { *Hypoxylon rhypodes* B. & C.  
 { *Eutypa rhypodes*, Sacc.  
*Eutypa velutina*, (Wallr.) Sacc., var. *quercina*,  
 Sacc.  
*Gnomonia clavulata*, Ell.  
*Gnomonia setacea*, (P.) Ces. & De Not.  
*Hypoxylon argillaceum*, (P.) Fr.  
*Hypoxylon cohaerens*, (P.) Fr.  
*Hypoxylon coccineum*, Bull.  
*Hypoxylon commutatum*, Nits.  
*Hypoxylon fuscum*, (P.) Fr.  
*Hypoxylon Howeianum*, Pk.  
 { *Sphaeria investiens*, S.  
 { *Hypoxylon investiens*, B.  
*Hypoxylon leucocreas*, B. & Rav.  
*Hypoxylon Malleolus*, B. & Rav.  
*Hypoxylon multiforme*, Fr.  
*Hypoxylon notatum*, B. & C.  
*Hypoxylon pallidum*, Ell. & Ev.  
*Hypoxylon Petersii*, B. & C.  
 { *Hypoxylon polyspermum*, Mont.  
 { *Hypoxylon marginatum*, Rav. Fung. Am.  
 { *Hypoxylon confluens*, Rav. Fung. Am.  
 { *Hypoxylon Ravenelii*, Rehm.  
 { *Sphaeria rubiginosa*, P.  
 { *Hypoxylon rubiginosum*, Fr.  
*Hypoxylon serpens*, (P.) Fr.  
*Hypoxylon stigmatum*, Cke.  
 { *Sphaeria uda*, P.  
 { *Hypoxylon udum*, Fr.  
 { *Sphaeria xanthostroma*, S.  
 { *Hypoxylon xanthostroma*, Sacc.  
*Sphaeria pachyascus*, C. & E.  
*Kalmusia pachyascus*, Sacc.  
*Xylosphaeria pachyascus*, Cke.  
 { *Sphaerella dryophila*, Cke. & Hark.  
*Leptosphaeria dryophila*, Sacc.  
*Sphaerulina dryophila*, Cke. & Hark.  
 { *Massaria obesa*, B. & C.  
 { *Valsaria quadrata*, (S.) Sacc.  
*Melanconis longipes*, Tul.  
 { *Sphaeria Pulvis-pyrius*, P.  
 { *Melanomma Pulvis-pyrius*, Fckl.  
 { *Sphaeria Texensis*, Cke.  
 { *Melanopsamma Texensis*, Sacc.  
*Conisphaeria Texensis*, Cke.  
 { *Sphaeria gyrosa*, S.  
*Endothia gyrosa*, Fr.  
*Melogramma gyrosum*, Tul.  
*Ohleria rugulosa*, Fckl.  
 { *Ohleria modesta*, Fckl.  
 { *Ohleria rugulosa*, var. *nigerrima*, Ell.  
 { *Sphaeria microtheca*, C. & E.  
 { *Physalospora microtheca*, Sacc.  
 { *Sphaeria Aquila*, Fr.  
 { *Rosellinia Aquila*, De Not.  
 { *Sphaeria Corticum*, S.  
 { *Rosellinia Corticum*, Sacc.  
 { *Sphaeria Bombarda*, Batsch.  
 { *Bombardia fasciculata*, Fr.  
 { *Rosellinia fasciculata*, Cke.  
 { *Sphaeria mammiformis*, P.  
 { *Rosellinia mammiformis*, Ces. & De Not.  
 { *Sphaeria millegrana*, S.  
 { *Rosellinia millegrana*, Sacc.  
 { *Sphaeria pulveracea*, Ehrh.  
 { *Rosellinia pulveracea*, Fckl.  
 { *Sphaeria subiculata*, S.  
 { *Hypoxylon subiculosum*, B.  
 { *Rosellinia subiculata*, Sacc.  
 { *Byssosphaeria subiculata*, Cke.  
 { *Sphaeria dryophila*, S.  
 { *Sphaerella dryophila*, Cke.  
*Sphaerella pandurata*, Ell. & Ev.  
*Sphaerella Ravenelii*, Cke.  
*Sphaerella simulans*, Cke.  
 { *Sphaeria tigrinans*, S.  
 { *Sphaerella tigrinans*, Cke.  
 { *Sphaeria bifrons*, Schm. & Kze.  
 { *Hypospila bifrons*, Fr.  
 { *Sphaeria botryosa*, Tode.  
 { *Cucurbitaria botryosa*, Ces. & De Not.  
*Sphaeria glandicola*, S.  
*Sphaeria inversa*, Fr.  
 { *Sphaeria melanotes*, B. & Br.  
 { *Anthostoma melanotes*, Sacc.  
*Sphaeria Micheliana*, Fr.  
*Sphaeria obscura*, S.  
 { *Sphaeria populina*, P.  
 { *Cryptosphaeria populina*, Sacc.  
*Sphaeria putaminum*, S., var. b.  
*Sphaeria spissa*, S.  
*Sphaeria stilbosporans*, S.  
*Sphaeria tigrinans*, S.  
 { *Sphaeria disseminata*, B. & C.  
 { *Trichospora disseminata*, Sace.  
 { *Sphaeria phellogena*, B. & C.  
 { *Teichospora phellogena*, Sacc.  
 { *Sphaeria acanthostroma*, Mont.  
 { *Trichosphaeria acanthostroma*, Sacc.  
 { *Byssosphaeria acanthostroma*, Cke.  
*Ustulina vulgaris*, Tul.  
 { *Sphaeria conspurcata*, S.  
 { *Valsa conspurcata*, Cke.  
*Valsa coronata*, (Hoffm.) Fr.

{ *Sphaeria deformis*, Fr.  
 { *Valsa deformis*, Fr.  
 { *Sphaeria Frustrum-coni*, S.  
 { *Valsa Frustrum-coni*, M. A. Curtis.  
 { *Sphaeria haustellata*, Fr.  
 { *Valsa haustellata*, M. A. Curtis.  
 { *Sphaeria Ootheca*, B. & C.  
 { *Coronophora Ootheca*, Sacc.  
 { *Valsa Ootheca*, Cke.  
*Valsa subclypeata*, C. & P.  
 { *Diatrype cincta*, (Curr.) B. & Br.  
 { *Valsaria cincta*, Sacc.  
 { *Vermicularia ditricha*, (Fr.) S.  
 { *Venturia ditricha*, Karst.  
 { *Sphaeria melanostigma*, C. & E.  
 { *Wallrothieila melanostigma*, Sacc.  
 { *Psilosphaeria melanostigma*, C. & E.  
*Winteria crustosa*, Ell. & Ev.  
*Xylaria Hypoxylon*, (L.) Grev.  
 { *Sphaeria cariosa*, C. & E.  
 { *Zignoella cariosa*, Sacc.  
 { *Psilosphaeria cariosa*, C. & E.  
 { *Sphaeria diaphana*, C. & E.  
 { *Zignoella diaphana*, Sacc.  
 { *Psilosphaeria diaphana*, Ell. & Ev.

**Hypocreaceae.**

{ *Sphaeria contorta*, S.  
 { *Hypocrea contorta*, B. & C.  
*Hypomyces aurantius*, (P.) Tul.  
*Nectria coccinea*, (P.) Fr.  
 { *Nectria (Calonectria) fulvida*, Ell. & Ev.  
 { *Dialonectria fulvida*, Ell. & Ev.  
*Ophionectria Everhartii*, Ell. & Gall.

**Dothideaceae.**

{ *Dothidea maculans*, S.  
 { *Phyllachora maculans*, Sacc.

**Lophiostomaceae.**

{ *Lophiostoma heterostomum*, Ell. & Ev.  
 { *Lophiosphaeria heterostoma*, Berl. & Vogl.  
 { *Sphaeria abbreviata*, S.  
 { *Lophiostoma abbreviatum*, Sacc.  
*Lophiostoma hysteroides*, Ell. & Langlois,  
 nec Sacc.

**Hysteriaceae.**

{ *Hysterium rufescens*, S.  
 { *Ascolobus conglomeratus*, S.  
 { *Angelina rufescens*, Duby.  
 { *Hysterium quercinum*, P.  
 { *Cenangium quercinum*, Fr.  
 { *Colpoma quercinum*, Wallr.  
 { *Hysterium hyalinum*, C. & P.  
 { *Gloniella hyalina*, Sacc.  
 { *Hysterium ovatum*, Cke.  
 { *Gloniella ovata*, Sacc.  
 { *Hysterium lineolatum*, Cke.  
 { *Gloniopsis lineolata*, Sacc.

{ *Hysterium stictoideum*, C. & E.  
 { *Gloniopsis stictoidea*, Sacc.  
*Glonium parvulum*, (Gerard) Cke.  
*Glonium stellatum*, Muhl.  
*Hypoderma ilicinum*, De Not.  
*Hypoderma variegatum*, Duby.  
*Hysterium complanatum*, Duby.  
*Hysterium Gerardi*, C. & P.  
 { *Hysterium lineare*, B. nec. Fr.  
 { *Hysterium lineariforme*, Sacc.  
*Hysterium Mori*, S.  
*Hysterium petiolare*, (A. & S.) Fr  
*Hysterium proteiforme*, Duby.  
*Hysterium pulicare*, P., var. *lenticulare*, Fr.  
*Hysterium punctiforme*, Fr.  
 { *Hysterium tumidum*, Fr.  
 { *Coccomyces tumida*, De Not.  
*Hysterium tumidum*, Fr., var. *trigonum*, Fr.  
*Hysterium varium*, Fr.  
*Hysterium versisporum*, Gerard.  
 { *Hypoderma virgultorum*, var. *petiolare*,  
     Cke.  
 { *Hysterium virgultorum*, var. *petiolare*,  
     Cke.  
 { *Hysterium flexuosum*, S.  
 { *Hysterographium flexuosum*, Sacc.  
 { *Hysterium pulicare*, N. A. F.  
 { *Hysterographium bianscens*, Rehm.  
 { *Hysterium subrugosum*, C. & E.  
 { *Hysterographium subrugosum*, Sacc.  
 { *Hysterium vulvatum*, S.  
 { *Hysterium flexuosum*, Rav. Fung. Car.  
 { *Hysterium flexuosum*, Myc. Univ. 181.  
 { *Hysterographium vulvatum*, Rehm.  
 { *Hysterium maculare*, Fr.  
 { *Lophodermium maculare*, De Not.  
*Lophodermium punctiforme*, (Fr.) Fckl.  
*Ostropa hysteroides*, S.

**SPHAEROPSIDEAE.**

*Aposphaeria conica*, Sacc.  
*Ascochyta Quercus*, Sacc. & Speg.  
 { *Dothidea geographica*, (DC.) Fr.  
 { *Asteroma geographicum*, Desm.  
*Cytospora difformis*, S.  
*Dinemasporium hispidulum*, (Schrad.) Sacc.  
*Diplodina Gallae*, Ell. & Ev.  
 { *Diplodina periglandis*, Cke. & Hark.  
 { *Diplodina periglandis*, Sacc.  
 { *Sphaeria Artocreas*, Tode.  
 { *Discosia Artocreas*, Fr.  
*Lichenopsis sphaeroboloidea*, S.  
 { *Lichenopsis sphaeroboloidea*, B. in Herb.  
     p. p., nec. S.  
 { *Platysticta simulans*, Cke. & Massee.  
 { *Sphaeropsis dryina*, B. & C.  
 { *Phoma dryina*, Sacc.  
 { *Macrophoma dryina*, Berl. & Vogl.

- { *Sphaeropsis quercina*, Pk.
- { *Phoma quercina*, Sacc.
- Septoria herbarum*, B. & C.
- Sphaeronema glomeratum*, Mont.
- { *Sphaeria Gallae*, S.
- { *Sphaeropsis Gallae*, B. & C.
- { *Diplodia Gallae*, Auct. Amer.
- Sphaeropsis insignis*, B. & C.
- Sphaeropsis linearis*, Pk.
- Staurochaeta membranacea*, Cke.

## MELANCONIEAE.

- Coryneum pustulatum*, Pk.
- Melanconium hysterioideum*, C. & E.
- { *Naemaspora crocea*, P.
- { *Myxosporium croceum*, Lk.
- Pestalozzia Castagniei*, Desm.
- Stilbospora angustata*, P.
- Stilbospora multisepata*, S.

## HYPHOMYCETES.

- Arthrosporium compositum*, Ell.
- Asterophora effusa*, S.
- Bispora aterrima*, B. & Rav.
- Botrytis atroviridis*, C. & E.
- Botrytis griseolilacina*, Ell. & Ev.
- Botrytis prasina*, B. & C.
- Chloridium glaucum*, Ell. & Ev.
- { *Corticium pactolinum*, Cke. & Hark.
- { *Chromasporium isabellinum*, Ell. & Sacc.
- { *Chromasporium pactolinum*, Cke.
- Cladosporium epiphyllum*, Nees.
- Cladosporium lignicolum*, Cda.
- { *Sporidesmium adscendens*, B.
- { *Clasterosporium adscendens*, Sacc.
- { *Sporidesmium atrum*, Lk.
- { *Clasterosporium atrum*, Sacc.
- { *Sporidesmium strumarum*, Cke.
- { *Clasterosporium strumarum*, Cke.
- { *Racodium ramosum*, S.
- { *Oedemium ramorum*, Fr.
- { *Dematium ramosum*, S.
- { *Glenospora Curtisi*, B. & Desm.
- { *Glenospora ramorum*, B. & C.
- Cylindrocolla quercina*, C. & E.
- Fusarium glandicolum*, Cke. & Gerard.
- Fusidium tenuissimum*, S.
- { *Fusidium griseum*, Lk.
- { *Fusisporium griseum*, Fr.
- Gonytrichum caesium*, Nees.
- Graphium subulatum*, (Nees) Sacc.
- Haplaria fusca*, Cke.
- Helicoma Berkeleyi*, M. A. Curtis,
- { *Helicomyces aureus*, Cda.
- { *Helicosporium aureum*, Auct.
- Helicosporium olivaceum*, Pk.

- Helminthosporium apiculatum*, Cda.
- Helminthosporium corniculatum*, S.
- { *Helminthosporium leptotrichum*, C. & E.
- { *Brachysporium leptotrichum*, Sacc.
- Helminthosporium rectum*, B. & C.
- Helminthosporium septemseptatum*, Pk.
- Macrosporium subglobosum*, Cke. & Rav.
- Menispora ciliata*, Cda.
- Oidium candidum*, S.
- Oidium obductum*, Ell. & Langlois.
- { *Oidium simile*, B.
- { *Monilia aureofulva*, C. & E.
- { *Oospora similis*, Sacc.
- Oospora cuboidea*, Sacc. & Ell.
- Periconia calicioides*, (Fr.) B.
- Podosporium glandicolum*, S.
- { *Aspergillus laneus*, S.
- { *Rhinotrichum Curtisi*, B.
- Rhinotrichum ramosissimum*, B. & C.
- Septonema multiplex*, B. & C.
- Septonema spilomeum*, B.
- Sphaerosporium lignatile*, S.
- Sporidesmium acinosum*, B. & C.
- { *Sporidesmium compositum*, B. & Rav.
- { *Sirodesmium compositum*, Sacc.
- Sporidesmium helicoides*, Ell. & Ev.
- Sporidesmium inquinans*, Ell. & Ev.
- Sporidesmium insulare*, Ell. & Ev.
- { *Coniothecium effusum*, Cda.
- { *Sporidesmium Lepraria*, B.
- Sporidesmium mundulum*, Cke.
- Sporidesmium nigrum*, B.
- Sporidesmium Peziza*, C. & E.
- Sporidesmium polymorphum*, Cda.
- Sporidesmium translucens*, Cke.
- Sporidesmium velutinum*, Cke.
- Sporotrichum gratum*, S.
- Sporotrichum intertextum*, S.
- Sporotrichum sulfureum*, Grev.
- { *Epochium glaucum*, Cke. & Hark.
- { *Stemphylium glaucum*, Sacc.
- Streptothrix atra*, B. & C.
- Torula abbreviata*, Cda.
- Torula binale*, C. & E.
- Torula dissita*, B. & C.
- Torula sphaeriaeformis*, C. & E.
- { *Memnonium effusum*, Cda.
- { *Trichosporium effusum*, Sacc.
- Verticillium puniceum*, C. & E.
- { *Botrytis atrofumosa*, C. & E.
- { *Virgaria atrofumosa*, Sacc.
- Virgaria fuscopurpurea*, B. & C.
- Virgaria olivacea*, Ell. & Ev.
- Virgaria uniseptata*, B. & C.
- Zygodesmus effusus*, B. & C.

*Zygodesmus fuscus*, Cda.  
*Zygodesmus rubiginosus*, Pk.

## DISCOMYCETES.

*Agyrium nigricans*, Fr.  
 { *Bulgaria decolorans*, B. & C.  
 { *Ombrophila decolorans*, Sacc.  
 { *Cenangium ferruginosum*, Fr.  
 { *Cenangium Abietis*, (P.) Rehm.  
 { *Dermatea fascicularis*, (A. & S.) Fr.  
 { *Cenangium populneum*, (P.) Rehm.  
 { *Peziza aeruginosa*, (Oeder) P.  
 { *Helotium aeruginosum*, Fr.  
 { *Chlorosplenium aeruginosum*, De Not.  
 { *Peziza chlorascens*, S.  
 { *Chlorosplenium repandum*, Fr.  
 { *Peziza compressa*, P.  
 { *Durella compressa*, Tul.  
 { *Durella macrospora*, Fckl.  
 { *Peziza macrospora*, Auct. Amer.  
 { *Peziza nigropunctula*, Gerard.  
 { *Peziza Lecideola*, Fr.  
 { *Patellaria Lecideola*, Fr.  
 { *Durella Lecideola*, Rehm.  
 { *Haematomyces vinosus*, C. & E.  
 { *Haematomyxa vinosa*, Sacc.  
*Helotium citrinum*, (Hedw.) Fr.  
*Helotium claroflavum*, (Grev.) B.  
*Helotium fructigenum*, (Bull.) Karst.  
 { *Helotium versiforme*, Fr.  
 { *Chlorosplenium versiforme*, (P.) De Not.  
 { *Patellaria atrata*, (Wahl.) Fr.  
 { *Lecanidion atratum*, Rabh.  
 { *Patellaria connivens*, Fr.  
 { *Durella connivens*, Rehm.  
 { *Lecanidion fuscoatrum*, Rehm.  
 { *Patellaria fuscoatra*, Ell.  
 { *Durella fuscoatra*, Rehm.  
*Patellaria nigrovirens*, Ell. & Sacc.  
 { *Peziza Aurelia*, P.  
 { *Belonidium Aurelia*, De Not.  
 { *Peziza cinerea*, Batsch.  
 { *Mollisia cinerea*, Karst.  
 { *Peziza clandestina*, Bull.  
 { *Dasyscypha clandestina*, Fckl.  
*Peziza coccinea*, Jacq.  
 { *Peziza coccinella*, Sommf.  
 { *Calloria coccinella*, Fr.  
 { *Peziza comata*, S.  
 { *Trichopeziza comata*, Sacc.  
 { *Peziza crocincta*, B. & C.  
 { *Pezizella crocincta*, Sacc.  
 { *Peziza culcitella*, C. & E.  
 { *Tapesia culcitella*, Sacc.  
 { *Peziza epixantha*, Cke.  
 { *Dasyscypha epixantha*, Sacc.  
 { *Peziza fuscescens*, P.  
 { *Dasyscypha fuscescens*, Rehm.  
 { *Peziza introviridis*, C. & E.  
 { *Mollisia introviridis*, Sacc.  
 { *Peziza leucostigma*, Fr.  
 { *Orbilia leucostigma*, Fr.  
 { *Peziza marginata*, Cke.  
 { *Trichopeziza marginata*, Sacc.  
 { *Peziza nivea*, (Hedw.) Fr.  
 { *Dasyscypha nivea*, Sacc.  
 { *Peziza obscura*, Cke.  
 { *Trichopeziza obscura*, Sacc.  
 { *Peziza prolifica*, Ell.  
 { *Tapesia prolifica*, Sacc.  
*Peziza pseudotuberosa*, Rehm.  
 { *Peziza radiocincta*, Cke.  
 { *Durella radiocincta*, Sacc.  
 { *Peziza rubella*, P.  
 { *Orbilia rubella*, Karst.  
 { *Peziza rufula*, S.  
 { *Pezizella rufula*, Sacc.  
 { *Orbilia rubella*, (P.) Karst. var. *rufula*, Sacc.  
 { *Peziza sanguinea*, P.  
 { *Tapesia sanguinea*, Fckl.  
 { *Peziza succina*, Phil.  
 { *Dasyscypha succina*, Sacc.  
 { *Peziza uncinata*, Phil.  
 { *Dasyscypha uncinata*, Sacc.  
*Peziza variecolor*, Fr.  
 { *Peziza vulgaris*, Fr.  
 { *Pezizella vulgaris*, Sacc.  
 { *Peziza myceticola*, B. & C.  
 { *Peziza vulgaris*, Fr., var. *myceticola*, B.  
 { *Pezizella vulgaris*, Sacc., var. *myceticola*, Sacc.  
*Phacidium glandicolum*, S.  
*Phacidium minutissimum*, Awd.  
*Phacidium quercinum*, S.  
 { *Rhytisma tostum*, B. & C.  
 { *Trabutia tosta*, Cke.  
*Stictis dryophila*, C. & E.  
 { *Stictis hysterina*, Fr.  
 { *Mellitosporium hysterinum*, Gill.?  
 { *Stictis linearis*, C. & E.  
 { *Xylogramma linearis*, Sacc.  
*Stictis quercina*, Pk.  
 { *Stictis versicolor*, Fr.  
 { *Propolis faginea*, (Schrad.) Karst.

## HYMENOMYCETES.

## Agaricini.

{ *Agaricus applicatus*, Batsch.  
 { *Pleurotus applicatus*, Sacc. Syll.  
 { *Agaricus bombycinus*, Schaeff.  
 { *Volvaria bombycina*, Sacc. Syll.  
 { *Agaricus Californiensis*, B. & C.  
 { *Myena Californiensis*, Sacc. Syll.  
*Agaricus (Naucoria) Erinaceus*, Fr.  
*Agaricus (Omphalia) gracillimus*, Weinm.  
 { *Agaricus liratus*, B. & C.  
 { *Galera lirata*, Sacc. Syll.

*Agaricus (Armillaria) melleus*, Vahl.  
 { *Agaricus nidulans*, P.  
 { *Claudopus nidulans*, Pk.  
*Agaricus (Pleurotus) petaloides*, Bull.  
 { *Agaricus sapidus*, Kalchb.  
 { *Pleurotus sapidus*, Sacc. Syll.  
*Agaricus (Pholiota) spectabilis*, Fr.  
*Agaricus (Pholiota) squarrosus*, Müll.  
*Agaricus (Mycena) strobilinus*, P.  
*Agaricus (Hypholoma) sublateritius*, Schaeff.  
*Agaricus (Pleurotus) tessulatus*, Bull.  
*Cantharellus flabelliformis*, B. & Rav.  
*Coprinus fuscescens*, (Schaeff.) Fr.  
 { *Agaricus Chama*, Bosc.  
 { *Lentinus Chama*, Fr.  
*Lentinus Lecomtei*, Fr.  
*Lentinus tigrinus*, (Bull.) Fr.  
*Lenzites betulina*, (L.) Fr.  
*Lenzites tricolor*, (Bull.) Fr.  
*Marasmius brevipes*, B. & Rav.  
*Marasmius epiphyllus*, Fr.  
*Marasmius insititius*, Fr.  
*Marasmius rigidus*, Mont.  
*Marasmius spodoleucus*, B. & Br.  
*Marasmius spongiosus*; B. & C.  
*Marasmius urens*, (Bull.) Fr.  
*Marasmius viticulus*, B. & C.  
*Panus laevis*, B. & C.  
*Panus Robinsonii*, B. & Mont.  
*Panus s trigosus*, B. & C.  
*Panus tomentosus*, Bundy.  
*Panus torulosus*, (P.) Fr.  
*Paxillus reniformis*, B. & Rav.  
*Schizophyllum commune*, Fr.  
*Trogia crispa*, (P.) Fr.  
  
**Polyporei.**  
*Daedalea ambigua*, B.  
*Daedalea aurea*, Fr.  
*Daedalea Ravenelii*, B.  
 { *Trametes sepium*, B.  
 { *Daedalea sepium*, B.  
 { *Boletus hepaticus*, Huds.  
 { *Fistulina hepatica*, Fr.  
*Fistulina spathulata*, B. & C.  
*Merulius ceraceus*, B. & C.  
*Merulius Corium*, (P.) Fr.  
*Merulius porinoides*, Fr.  
*Merulius rufus*, P.  
 { *Boletus adustus*, Willd.  
 { *Polyporus adustus*, Fr.  
 { *Myriadoporus adustus*, Pk.  
*Polyporus amygdalinus*, B. & Rav.  
*Polyporus Anax*, B.  
 { *Polyporus argillaceus*, Cke.  
 { *Poria argillacea*, Cke.

*Polyporus Berkeleyi*, Fr.  
 { *Polyporus biformis*, Fr.  
 { *Polyporus Caroliniensis*, B. & C.  
 { *Polystictus biformis*, Fr.  
 { *Polyporus Cremor*, B. & C.  
 { *Poria Cremor*, Cke.  
*Polyporus croceus*, Fr.  
 { *Polyporus croceus*, S. in litt.  
 { *Polyporus nitidus*, Fr. El  
 { *Polyporus crocicporus*, B. & C.  
 { *Poria crocicpora*, Cke.  
 { *Boletus croceus*, S. Syn. Car.  
 { *Polyporus sulfureus*, (Bull.) Fr.  
 { *Polyporus cruentatus*, Mont.  
 { *Poria cruentata*, Cke.  
 { *Fomes lucidus*, Fr.  
 { *Polyporus Curtisi*, B.  
 { *Fomes Curtisi*, Cke.  
*Polyporus dryadeus*, Fr.  
 { *Polyporus dryinus*, B. & Cke.  
 { *Poria dryina*, B. & Cke.  
 { *Polyporus ectypus*, B. & C.  
 { *Polystictus ectypus*, Cke.  
 { *Polyporus farinellus*, Fr.  
 { *Poria farinella*, Cke.  
 { *Polyporus Floridanus*, B.  
 { *Polystictus Floridanus*, Fr.  
 { *Boletus frondosus*, S. Syn. Car.  
 { *Polyporus frondosus*, Fr.  
*Polyporus giganteus*, (P.) Fr.  
*Polyporus hirsutus*, (Schrad.) Fr.  
 { *Polyporus holoxanthus*, B. & Cke.  
 { *Poria holoxantha*, B. & Cke.  
*Polyporus ignarius*, (L.) Fr.  
*Polyporus intybaceus*, B.  
*Polyporus labyrinthicus*, Fr.  
*Polyporus lichenoides*, Mont.  
 { *Polyporus Lindbladii*, B.  
 { *Polystictus Lindbladii*, Cke.  
 { *Poria Lindbladii*, Cke.  
*Polyporus nidulans*, Fr.  
 { *Polyporus niger*, B.  
 { *Poria nigra*, Cke.  
 { *Boletus nigropurpureus*, S.  
 { *Polyporus nigropurpureus*, S.  
 { *Poria nigropurpurea*, Cke.  
 { *Polyporus obducens*, P.  
 { *Poria obducens*, Cke.  
*Polyporus quercinus*, (Schrad.) Fr.  
*Polyporus radiatus*, (Sow.) Fr.  
 { *Polyporus Rhipidium*, B.  
 { *Favolus Rhipidium*, Sacc. Syll.  
 { *Boletus sanguineus*, L.  
 { *Polyporus sanguineus*, Mey.  
 { *Odontia albominiata*, B. & C.  
 { *Polystictus sanguineus*, Fr.  
 { *Polyporus dryadeus*, S. Am. bor.  
 { *Polyporus scruposus*, Fr.  
*Polyporus squamosus*, (Huds.) Fr.  
 { *Polyporus tabacinus*, Mont.  
 { *Mucronoporus tabacinus*, Ell. & Ev.

{ *Poria tomentocinta*, B. & Rav. sec. Cke.  
 { *Polyporus tomentocinctus*, B. & Rav. Herb.  
*Polyporus tomentosoquercinus*, Johnson.  
 { *Polyporus xanthus*, Fr.  
 { *Poria xantha*, Cke.  
*Poria rufa*, (Schrad.) Sacc. Syll., var. *lilacina*,  
     Ell. & Ev.  
 { *Porothelium lacerum*, Fr.  
 { *Boletus pezizoides*, S.  
 { *Porothelium pezizoides*, S.  
*Porothelium subtile*, (Schrad.) Fr.  
*Solenia anomala*, (P.) Fekl.  
*Solenia ochracea*, Hoffm.  
*Solenia villosa*, Fr.  
*Trametes Kansensis*, Cragin.

#### Hydnei.

*Grandinia crustosa*, (P.) Fr.  
*Hydnus Caput-medusae*, Bull.  
*Hydnus cirrhatum*, P.  
*Hydnus Erinaceus*, Bull.  
*Hydnus fallax*, Fr.  
*Hydnus farinaceum*, P.  
*Hydnus laeticolor*, B. & C.  
*Hydnus ochraceum*, P.  
*Hydnus pallidum*, C. & E.  
*Hydnus Ramaria*, Fr.  
*Hydnus Stevensoni*, B. & Br.  
*Hydnus trichodontium*, B. & Rav.  
*Hydnus udum*, Fr.  
*Irpea coriaceus*, B. & Rav.  
*Irpea crassus*, B. & C.  
*Irpea deformis*, Fr.  
*Irpea lacteus*, Fr.  
*Irpea mollis*, B. & C.  
 { *Sistotrema niveum*, S.  
 { *Irpea niveus*, S.  
*Irpea sinuosus*, Fr.  
*Kneiffia anibigua*, Karst.  
*Kneiffia setigera*, Fr.  
*Kneiffia tessulata*, B. & C.  
 { *Phlebia hydnoidea*, S.  
 { *Odontia lateritia*, B. & C.  
*Phlebia anomala*, B. & Rav.  
*Phlebia orbicularis*, B. & C.  
*Phlebia rubiginosa*, B. & Rav.  
*Phlebia zonata*, B. & C.  
*Radulum Botrytis*, Fr.  
*Radulum molare*, Fr.  
*Radulum pallidum*, B. & C.  
*Sistotrema quercinum*, P.

#### Thelephorei.

{ *Corticium dryinum*, B. & C.  
 { *Coniophora dryina*, Massee.

{ *Thelephora laxa*, Fr.  
 { *Corticium laxum*, Fr.  
 { *Coniophora laxa*, Sacc. Syll.  
 { *Thelephora cinerascens*, S.  
 { *Corticium cinerascens*, B.  
*Corticium diminuens*, B. & C.  
*Corticium laeve*, P.  
*Corticium lilacinofuscum*, B. & C.  
*Corticium puberum*, Fr.  
*Corticium scutellare*, B. & C.  
*Cyphella trachychaeta*, Ell. & Ev.  
*Hymenochaete agglutinans*, Ell.  
*Hymenochaete cervina*, B. & C.  
*Hymenochaete crocata*, (Fr.) Lev.  
 { *Stereum umbrinum*, B. & C.  
 { *Hymenochaete umbrina*, B. & C.  
 { *Stereum papyrinum*, Rav. Fung. Am.  
 { *Peniophora intermedia*, Massee.  
 { *Stereum papyrinum*, Mont.  
 { *Peniophora papyrina*, Cke.  
 { *Corticium quercinum*, (P.) Fr.  
 { *Peniophora quercina*, Cke.  
 { *Thelephora albobadia*, S.  
 { *Stereum albobadium*, Fr.  
*Hymenochaete cervina*, B. & C.  
 { *Thelephora fasciata*, S.  
 { *Thelephora versicolor*, var. *fasciata*, Fr.  
 { *Stereum fasciatum*, Fr.  
*Stereum fimbriatum*, Ell.  
*Stereum gausapatum*, Fr.  
*Stereum Leveillianum*, B. & C.  
*Stereum purpureum*, P.  
 { *Thelephora spadicea*, S. Syn. Car.  
 { *Stereum spadiceum*, Fr.  
*Thelephora granosa*, B. & C.

#### Tremellini.

*Calocera glossooides*, (P.) Fr.  
 { *Tremella Auricula-Judae*, L.  
 { *Tremella Auricula*, Mart.  
 { *Auricularia sambucina*, Mart.  
 { *Exidia Auricula-Judae*, Fr.  
 { *Hirneola Auricula-Judae*, B.  
*Exidia glandulosa*, (Bull.) Fr.  
*Exidia glandulosa*, (Bull.) Fr., forma levior,  
     Sacc.  
*Exidia truncata*, Fr.  
*Naematelia encephala*, (Willd.) Fr.  
*Naematelia nucleata*, (S.) Fr.  
*Tremella enata*, B. & C.  
 { *Tremella foliacea*, P.  
 { *Ulocolla foliacea*, Brefeld.  
*Tremella frondosa*, Fr.  
*Tremella marmorata*, B. & C.  
*Tremella mesenterica*, Retz.  
*Tremella torta*, Willd.

#### MISCELLANEA.

*Capillaria grammica*, P.  
*Ceratium hydnoides*, (A. & S.) Jacq.

Endogone pisiformis, Lk.  
 Hymenula glandicola, Cke.  
 Lycoperdon quercinum, P.  
 Octaviana rosea, Hark.  
 Ozonium auricomum, Lk.  
 Pilacre Petersii, B. & C.  
 Sparassis laminosa, Fr.  
 Sphaerobolus stellatus, Tode.

## SALICACEAE.

*Populus alba*, L.

Cercospora populina, Ell. & Ev.  
 Gloeosporium Castagnei, Desm. & Mont.  
 { Gloeosporium Populi, (Lib.) Desm. & Mont.  
 { Marsonia Populi, Sacc.  
 Lenzites sepiaria, (Wulf.) Fr.

*Populus augustifolia*, James.

Melampsora populina, (Jacq.) Lev.  
 Uncinula Salicis, (DC.) Wint.

*Populus balsamifera*, L.

Melampsora populina, (Jacq.) Lev.  
 { Oidium radiosum, Lib.  
 { Cladosporium ramulosum, Desm.  
 { Fusicladium Tremulae, Frank.  
 { Polyporus biformis, Fr.  
 { Polystictus biformis, Fr.  
 Septoria populincola, Pk.  
 Septoria salicina, Pk.  
 { Uncinula adunca, Lev.  
 { Uncinula heliciformis, Howe.

*Populus balsamifera*, L. var., *candicans*, Gray.

Eutypa subtecta, (Fr.) Fckl.  
 Gloeosporium brunneum, Ell. & Ev.  
 Melampsora populina, (Jacq.) Lev.  
 Uncinula adunca, Lev.

*Populus Fremontii*, Watson.

Gloeosporium carpogenum, Cke. & Hark.  
 Gloeosporium Populi, (Lib.) Desm. & Mont  
 Melampsora populina, (Jacq.) Lev.  
 { Ascomyces aureus, Auct. Amer.  
 { Taphrina rhizophora, Johans.

*Populus grandidentata*, Michx

Acalyptospora Populi, Pk.  
 Hypocrea Richardsonii, B. & Mont.  
 { Lecythea ovata, Auct. Amer.  
 { Melampsora populina, (Jacq.) Lev.  
 { Torula populina, Pk.  
 { Myxormia populina, Pk.  
 { Taphrina aurea, Auct. Amer.  
 { Taphrina rhizophora, Johans.  
 Uncinula Salicis, (DC.) Wint.  
 { Sphaeria nivea, Hoffm.  
 { Valsa nivea, Fr.

*Populus heterophylla*, L.

{ Uncinula adunca, Lev.  
 { Uncinula luculenta, Howe.  
 { Uncinula heliciformis, Howe.  
 { Uncinula Salicis, (DC.) Wint.  
 { Dermea populnea, S.  
 { Cenangium Schweinitzii, Sacc.  
 { Sphaeria exilis, A. & S.  
 { Coelosphaeria exilis, Sacc.  
 { Lasiosphaeria exilis, Cke.  
 { Sphaeria variolosa, S.  
 { Diatrype variolosa, Herb. B. sec. Cke.  
 Didymosporium minutissimum, S.

{ Sclerotium sphaeroides, P.  
 { Dothidea sphaeroides, Fr.

{ Uredo cylindrica, Strauss.  
 { Caeoma cylindricum, Schl.  
 { Melampsora populina, (Jacq.) Lev.  
 { Melanconium hyalinum, Ell.  
 { Myxosporium Ellisii, Sacc.  
 { Myxosporium hyalinum, Wint.

Monilia globosa, S.

{ Sphaeria aperta, Schl.  
 { Valsa aperta, Cke.

*Populus monilifera*, Ait.

Capnodium avellatum, B. & Desm.  
 Capnodium elongatum, B. & Desm.  
 Cercospora populina, Ell. & Ev.  
 { Sphaeria fusariospora, Ell. & Ev.  
 { Coelosphaeria fusariospora, Ell. & Ev.  
 Cryptosporium coronatum, Fckl.  
 Cylindrosporium ? oculatum, Ell. & Ev.  
 Gloeosporium stenosporum, Ell. & Kell.  
 { Sporocybe calicioides, Fr.  
 { Periconia calicioides, B.  
 { Hypsotheca calicioides, Ell. & Ev. ?  
 { Caliciopsis Ellisii, Sacc. ?

Lenzites sepiaria, (Wulf.) Fr.

Marsonia Populi, (Lib.) Sacc.

{ Sclerotium populinum, P.  
 { Uredo cylindrica, Strauss.  
 { Caeoma cylindricum, Schl.  
 { Melampsora populina, (Jacq.) Lev.  
 { Lecythea populinna, Lev.  
 { Lecythea cylindrica, Auct. Amer.  
 { Lecythea ovata, Auct. Amer.  
 Melampsora Medusae, Thm.

Peniophora occidentalis, Ell. & Ev.

Phoma Populi, Fr.

Phyllosticta populina, Sacc.

Phyllosticta populina, Sacc., var. parva, Pk.  
 Septoria musiva, Pk.

Sphaerella populifolia, Cke.

Sphaeronema Populi, B. & C.

Teichospora pygmaea, Ell. & Ev.

{ Trametes Peckii, Kalchb.  
 { Trametes finalis, (Fr.) Ell. & Ev.

Trametes Trogii, B.

Tremella subochracea, Pk.

Uncinula Salicis, (DC.) Wint.  
 Zygodesmus obtusus, Ell. & Ev.  
**Populus pyramidalis**, Roz.  
 Agaricus ostreatus, Jacq.  
 Cenangium populinum, S.  
 { Naemaspora chrysosperma, P.  
 { Naemaspora populina, P.  
 { Cytospora chrysosperma, (P.) Fr.  
 Hendersonia pauciseptata, B. & C.  
 Hypoxylon Malleolus, B. & Rav.  
 Myxosporium hyalinum, (Ell.) Wint.  
 { Phoma fabricola, B.  
 { Aposphaeria fabricola, Sacc.  
 { Ascomyces aureus, Auct. Amer.  
 { Taphrina rhizophora, Johans.  
 Xylaria corniformis, Fr.  
 { Xyloma nervale, A. & S.  
 { Rhytisma nervale, Rehm.  
**Populus tremuloides**, Michx.  
 Anthostoma flavoviride, Ell. & Holw.  
 Cladosporium letiferum, Pk.  
 Crytosphaeria millepunctata, Grev.  
 Cytospora chrysosperma, (P.) Fr.  
 Dermea populnea, S.  
 { Diatrype ferruginea, Fr.  
 { Sillia ferruginea, Karst.  
 Dimerosporium Populi, Ell. & Ev.  
 Eutypa subtecta, (Fr.) Fckl.  
 Helicomyces roseus, Lk.  
 Hydnnum velatum, B. & C.  
 { Tubercularia pezizoidea, S.  
 { Hypocrea Richardsoni, B. & Mont.  
 Hypoxylon Holwayii, Ell.  
 { Hysterium vulvatum, S.  
 { Hysterographium vulvatum, Rehm.  
 Lentinus vulpinus, Fr.  
 Lophiotrema vestitum, Pk.  
 Melampsora populina, (Jacq.) Lev.  
 Lophodermium maculare, (Fr.) De Not.  
 { Oidium radiosum, Lib.  
 { Cladosporium ramulosum, Desm.  
 { Fusicladium Tremulae, Frank.  
 { Patellaria fenestrata, C. & P.  
 { Blitridium fenestratum, Sacc.  
 ? { Peziza Campanula, Ell.  
 { Lachnella Campanula, Sacc.  
 Phlebia merismoides, Fr.  
 Phlebia spilomea, B. & C.  
 Phoma Populi, Pk.  
 { Polyporus pargamenus, Fr.  
 { Polyporus elongatus, B.  
 { Polyporus radiculosus, Pk.  
 { Poria radiculosa, Sacc. Syll.  
 Porothelium papillatum, Pk.  
 Sphaerella inaculosa, Sacc.  
 { Taphrina aurea, Auct. Amer.  
 { Ascomyces aureus, Auct. Amer.  
 { Taphrina rhizophora, Johans.

{ Uncinula heliciformis, Howe.  
 { Uncinula Salicis, (DC.) Wint.  
 Valsa nivea, (Hoffm.) Fr.  
**Populus**, sp. indet.

## PYRENOMYCETES.

{ Sphaeria mutila, S.  
 { Botryosphaeria mutila, Cke.  
 { Sphaeria acervata, Fr.  
 { Cucurbitaria acervata, Fr.  
 { Sphaeria sordida, P.  
 { Diatrype sordida, Cke.  
 Diatrypella hysterioides, Ell. & Ev.  
 { Diatrypella angulata, (Fr.) Ces. & De Not.  
 { Diatrypella nigroannulata, (Grev.) Nits.  
 Diatrypella Populi, Ell. & Holw.  
 { Sphaeria eutypa, Fr.  
 { Eutypa Acharii, Tul.  
 { Cytospora Acharii, Sacc.  
 { Valsa Radula, Cke.  
 { Eutypella grandis, (Nits.) Sacc.  
 Hypoxylon serpens, (P.) Fr.  
 { Sphaeria surrecta, Cke.  
 { Kalmusia surrecta, Sacc.  
 { Xylosphaeria surrecta, Cke.  
 { Melanconis apocrypta, Ell.  
 { Melanconiella apocrypta, Sacc.  
 { Valsa quaternata, (P.) Fr.  
 { Quaternaria Persoonii, Tul.  
 Sphaerella macularis, (Fr.) Awd.  
 Sphaerella orbicularis, Pk.  
 { Sphaeria confluens, Tode.  
 { Hypoxylon udum, (P.) Fr.  
 Valsa ambiens, (P.) Fr.  
 Valsa sordida, Nits.

## FUNGI IMPERFECTI.

Cladosporium epiphyllum, Nees.  
 { Fumago vagans, P.  
 { Cladosporium Fumago, Lk.  
 Cytospora rubescens, Fr.  
 Helicoma Curtissii, B.  
 { Helicoma Mülleri, Cda.  
 { Helicosporium Mülleri, Sacc.  
 Melanconium populinum, Pk.  
 Phoma urens, Ell. & Ev.  
 { Dactylium sublutescens, Pk.  
 { Trichothecium sublutescens, Sacc.  
 Vermicularia albomaculata, S.  
 Zygodesmus atroruber, Pk.  
 Zythia ovata, Pk.

## HYMENOMYCETES.

{ Agaricus atrocaeruleus, Fr.  
 { Pleurotus atrocaeruleus, Sacc. Syll.  
 Agaricus Fibula, Bull., var. conicus, Pk.

- { *Agaricus fulvotomentosus*, Pk.
- { *Crepidotus fulvotomentosus*, Sacc. Syll.
- Agaricus salignus*, Schrad.
- { *Agaricus haustellaris*, Fr.
- { *Crepidotus haustellaris*, Sacc. Syll.
- Crepidotus croceitinctus*, Pk.
- Hydnus caryophylleum*, B. & C.
- Irpea nodulosus*, Pk.
- Lenzites betulina*, (L.) Fr.
- Marasmius subvenosus*, Pk.
- Phlebia zonata*, B. & C.
- Polyporus spumeus*, Fr.
- Polyporus sulfurellus*, Pk.
- Polyporus versicolor*, (L.) Fr.
- Polystictus placentaeformis*, B. sec. Cke.

## MISCELLANEA.

- { *Peziza populnea*, P.
- { *Peziza fascicularis*, A. & S.
- { *Dermatea fascicularis*, Fr.
- { *Cenangium populneum*, Rehm.
- Clathroptichium rugulosum*, (Wallr.) Rostf.
- Dermatea cinnamomea*, C. & P.
- Phacidium coronatum*, (Schum.) Fr.
- Salix alba*, L., var. *vitellina*, Koch.
- Melampsora Vitellinae, Thm.
- Salix amygdalooides*, Anders.
- { Melampsora salicina, Lev.
- { Melampsora Salicis-capreae, (P.) Wint.
- Peniophora occidentalis*, Ell. & Ev.
- Uncinula Salicis*, (DC.) Wint.
- Salix arctica*, Pall.
- Ceratostoma foliicolum*, Fckl.
- Cytospora capitata*, Fckl.
- { *Rhizomorpha arctica*, Fckl.
- { *Hypoxylon arcticum*, Rostrup.
- Melampsora salicina, Lev.
- { *Pleospora paucitricha*, Fckl.
- { *Pyrenophora paucitricha*, Berl. & Vogl.
- Xylographa arctica*, Fckl.
- Salix arctica*, Pall., var. *Brownii*, Anders.
- Rhytisma salicinum, (P.) Fr.
- Salix arctica*, Pall., var. *Groenlandica*, Anders.
- Melampsora arctica, Rostrup.
- Melanomma cinereum*, (Karst.) Sacc.
- Patellaria bacilligera*, Karst.
- Phoma salicina*, Westd.
- Pseudopeziza versicolor*, (Wahl.) Rostrup.
- Pyrenophora paucitricha*, (Fckl.) Berl. & Vogl.
- Salix Babylonica*, Tourn.
- { *Helicoma Curtissii*, B.
- { *Helicosporium Curtissii*, Sacc.
- Lenzites Klotschii*, B.

- { *Tympinis stictica*, B. & C.
- { *Cenangium sticticum*, Sacc.
- Salix cordata*, Muhl.
- { *Melampsora salicina*, Lev.
- { *Melampsora Hartigii*, Thm.
- { *Melampsora Salicis-capreae*, (P.) Wint.
- { *Erysiphe adunca*, Lk.
- { *Erysiphe obtusata*, Lk.
- { *Uncinula adunca*, Lev.
- { *Uncinula luculenta*, Howe,
- { *Uncinula heliciformis*, Howe.
- { *Uncinula Salicis*, (DC.) Wint.
- Salix cordata*, Muhl., var. *angustata*, Anders.
- { *Hypoxylon Morsei*, B. & C.
- { *Hypoxylon Blakei*, B. & C.
- Fuckelia Morsei*, Cke.
- Salix discolor*, Muhl.
- Corticium salicinum*, Fr.
- Exidia glandulosa*, (Bull.) Fr.
- Habrostictis ocellata*, (P.) Fckl.
- Lentinus suavissimus*, Fr.
- Lenzites sepiaria*, (Wulf.) Fr.
- { *Melampsora Capraearum*, Thm.
- { *Melampsora Salicis-capreae*, (P.) Wint.
- Panus salicinus*, Pk.
- Rhytisma salicinum*, (P.) Fr.
- { *Trimmatostroma Salicis*, Corda.
- { *Coniothecium toruloideum*, M. A. Curtis, nec Corda.
- Septonema connatum*, B. & C.
- Trimmatostroma Americanum*, Thm.
- { *Uncinula adunca*, Lev.
- { *Uncinula Salicis*, (DC.) Wint.
- { *Sphaeria salicina*, P.
- { *Cytospora fugax*, (Bull.) Fr.
- Valsa salicina*, Fr.
- Salix flavesrens*, Nutt.
- Melampsora Salicis-capreae, (P.) Wint.
- Phlebia merismoides*, Fr.
- Rhytisma salicinum*, (P.) Fr.
- Uncinula Salicis*, (DC.) Wint.
- Salix glauca*, L.
- Hypospila Groenlandica*, Rostrup.
- Leptosphaeria Coniothyrium*, (Fckl.) Sacc.
- Leptostroma punctiforme*, Wallr.
- Lophodermium hysteroides*, (P.) Sacc.
- Melampsora arctica, Rostrup.
- Melampsora Salicis-capreae, (P.) Wint.
- Pseudopeziza versicolor*, (Wahl.) Rostrup.
- Rhytisma salicinum*, (P.) Fr.
- Septoria salicina*, Pk.
- Uncinula Salicis*, (DC.) Wint.
- Venturia chlorospora*, (Ces.) Karst.
- Salix herbacea*, L.
- Melampsora arctica, Rostrup.
- Rhytisma salicinum*, (P.) Fr.
- Sphaerella salicicola*, (Fr.) Fckl.

*Venturia chlorospora*, (Ces.) Karst.

*Salix humilis*, Marsh.

Melampsora Capraearum, Thm.

Rhytisma salicinum, (P.) Fr.

*Salix lasiolepis*, Benth.

{ Septogloeum maculans, Hark.

{ Gloeosporium maculans, Ell. & Ev.

{ Hysterium prominens, Phil. & Hark.

{ Hysterographium prominens, Berl. & Vogl.

*Salix lasiolepis*, Benth., var. *Bigelovii*,

Bebb.

Melampsora Bigelovii, Thm.

*Salix longifolia*, Muhl.

Cercospora salicina Ell. & Ev.

Gloeosporium Salicis, Westd.

{ Melampsora salicina, Lev.

{ Melampsora Salicis-capreae, (P.) Wint.

Uncinula Salicis, (DC.) Wint.

*Salix lucida*, Muhl.

{ Thelephora salicina, Fr.

{ Thelephora cruenta, S. Syn. Car.

Corticium salicinum, Fr.

{ Corticium cruentum, (P.) Schrt.

Septoria Albaensis, Thm.

Septoria salicina, Pk.

*Salix Myrsinitis*, L.

Asteroma Salicis, Rob. & Desm.

Rhytisma salicinum, (P.) Fr.

*Salix myrtilloides*, L.

Melampsora Salicis-capreae, (P.) Wint.

*Salix nigra*, Marsh.

Cercospora salicina, Ell. & Ev.

Darluca Filum, (Biv.) Cast.

Lenzites Klotschii, B.

{ Uredo Caprearum, DC.

{ Lecythea salicina, Lev.

Caeoma epiteum,

{ Uredo epitea,

{ Uredo Saliceti,

{ Lecythea epitea,

}, Auct. Amer.?

{ Melampsora salicina, Lev.

{ Melampsora Capracarum, Thm.

{ Melampsora Hartigii, Thm.

{ Melampsora Salicis-capreae, Wint.

{ Melampsora farinosa, (P.) Schrt.

Melanconium salicinum, Ell. & Ev.

Panus alliaceus, B. & C.

Polyporus molluscus, (P.) Fr.

Prosthemella hysterioides, Ell. & Langlois.

{ Triblidium clavaesporum, Pk.

{ Tribliodiella clavispora, Berl. & Vogl.

{ Patellaria clavispora, Sacc.

Uncinula Salicis, (DC.) Wint.

*Salix petiolaris*, Smith.

Uncinula Salicis, (DC.) Wint.

*Salix purpurea*, L.

Rosellinia mastoidea, Sacc.

Tympanis saligna, Tode.

*Salix rostrata*, Rich.

Hypoxylon Blakei, B. & C.

{ Melampsora Salicis-capreae, Wint.

{ Melampsora farinosa, (P.) Schrt.

Ramularia rosea, (Fckl.) Sacc.

Uncinula Salicis, (DC.) Wint.

*Salix Russelliana*, Smith.

{ Septonema connatum, B. & C.

{ Trimmatostroma Salicis, Corda.

*Salix sericea*, Marsh.

{ Gloeosporium salicinum, Pk.

{ Septogloeum salicinum, Sacc.

{ Rhytisma maximum, Fr.

{ Cryptomyces maximus, Rehm.

*Salix tristis*, Ait.

Melampsora Caprearum, Thm.

*Salix Uva-ursi*, Pursh.

Melampsora Caprearum, Thm.

Rhytisma salicinum, (P.) Fr.

*Salix*, sp. indet.

#### PYRENOMYCETES.

{ Sphaeria papillata, Schum.

{ Amphisphaeria papillata, De Not.

Capnodium salicinum, Mont.

{ Sphaeria suffusa, Fr.

{ Valsa suffusa, Fr.

{ Cryptospora suffusa, Tul.

Cucurbitaria insecura, Ell.

{ Valsa glyptica, B. & Currey.

{ Diaporthe glyptica, Sacc.

{ Valsa mucronata, Pk.

{ Valsa Tessera, (Fr.) Cke.

{ Diaporthe mucronata, Sacc.

{ Sphaeria salicella, Fr.

{ Diaporthe salicella, Sacc.

{ Endophlaea salicella, Cke.

{ Sphaeria spiculosa, A. & S.

{ Diaporthe spiculosa, Nits.

Diatrype bullata, (Hoffm.) Fr.

Dimerosporium xylogenum, Ell. & Ev.

{ Sphaeria oppansa, Fr.

{ Eutypa oppansa, Cke.

Eutypa subtecta, (Fr.) Fckl.

Gibbera Saubinetii, Mont.

Hypocrea lenta, (Tode) B.

Hypoxylon Botrys, Nits.

Hypoxylon coccineum, Bull.

Hypoxylon investiens, (S.) B.

Hypoxylon Tinctor, (B.) Cke.

Hysterium fibrilectum, S.

{ Hysterium Mori, S.

{ Hysterographium Mori, Rehm.

Hysterium rugulosum, S.

Leptosphaeria consimilis, Ell. & Ev.

Lophiostoma erosum, Ell. & Ev.

Lophiostoma Langloisii, Ell. & Ev.

Lophiostoma turritum, C. & P.

Nectria tremelloides, Ell. & Ev.

- { *Sphaeria myriocarpa*, Fr.
- { *Rosellinia myriocarpa*, Cke.
- Sphaeria lineolans*, S.
- Sphaerostilbe flammea*, Tul.
- Teichospora Helenae*, Ell. & Ev.
- Valsa dissepta*, Fr.
- Valsa Orbicula*, B. & C.
- Valsa pallida*, Ell. & Ev.
- { *Sphaeria Tessella*, P.
- { *Valsa Tessella*, Fr.
- { *Valsa translucens*, De Not.
- { *Cytopsora translucens*, Sacc.

## SPHAEROPSIDEAE.

- Cytopsora Salicis*, (Cda.) Rabh.
- Cytopsora xanthosperma*, Fr.
- Diplodina Salicis*, Westd.
- Discella carbonacea*, (Fr.) B. & Br.
- { *Discella macrosperma*, Pk.
- { *Discula macrosperma*, Sacc.
- Discella microsperma*, B. & Br.
- Dothiorella decorticata*, Ell. & Ev.
- { *Sphaeria hemisphaerica*, A. & S.
- { *Sphaeroneima hemisphaericum*, Fr.

## HYPHOMYCETES.

- Bactridium flavum*, Kze.
- Botrytis patula*, Sacc. & Berl.
- Cladosporium Fumago*, Lk.
- Cladosporium polysporum*, Lk.
- Dematium cornutum*, Lk.
- Dematium viresens*, P.
- Dendrodochium densipes*, Sacc. & Ell., var. *prolificum*, Ell. & Ev.
- Helminthosporium simplex*, Nees.
- { *Aspergillus laneus*, S. Am. bor.
- { *Rhinotrichum Curtisi*, B.
- Sphaerosporium lignatile*, S.
- Sporidesmium aurantiacum*, B. & C.
- { *Vermicularia clavuligera*, S. Am. bor.
- { *Sporidesmium concinaum*, B.
- Torula crustacea*, S.
- Volutella pulchra*, B. & C.

## DISCOMYCETES.

- { *Peziza versiformis*, P.
- { *Chlorosplenium versiforme*, (P.) De Not.
- Dermatea inclusa*, Pk.
- Helotium salicellum*, Fr.
- Patellaria difformis*, (Fr.) S.
- { *Patellaria olivacea*, (Batsch) B. & Br.
- { *Patinella olivacea*, Sacc.
- { *Peziza citrinella*, S.
- { *Pezizella citrinella*, Sacc.
- ? *Peziza difformis*, Fr.?
- ? *Peziza nigrescens*, Cke.
- { *Peziza salicina*, P.
- { *Phialea salicina*, Sacc.

- { *Stictis cylindrocarpa*, Pk.
- { *Propolis cylindrocarpa*, Sacc.
- { *Stictis mollis*, P.
- { *Stictis Pupula*, Fr.
- { *Sphaeria fuliginosa*, P.
- { *Cenangium fuliginosum*, Fr.
- { *Scleroderris fuliginosa*, Karst.

## HYMENOMYCETES.

- ? *Agaricus disseminatus*, P.
- { *Agaricus salignus*, Schrad.
- { *Pleurotus salignus*, Sacc. Syll.
- Agaricus (Collybia) velutipes*, Wm. Curtis.

- { *Corticium Oakesii*, B. & C.
- { *Aleurodiscus Oakesii*, Cke.
- Coprinus fuscescens*, (Schaeff.) Fr.
- Corticium evolvens*, Fr.
- Corticium lactescens*, B.
- Cyphella fasciculata*, B. & C.
- Dacryomyces cinnabarinus*, S.
- Daedalea confragosa*, P.
- Exidia impressa*, (P.) Fr.
- { *Peziza gelatinosa*, Bull.
- { *Exidia recisa*, Fr.
- { *Agaricus tenuissimus*, S.
- { *Agaricus ringens*, Fr., var. *tenuissimus*, Fr.
- { *Lentinus tenuissimus*, S.

- Lenzites betulina*, (L.) Fr.
- Lenzites Cookei*, B.
- Marasmius salignus*, Pk.
- Marasmius salignus*, Pk., var. *major*, Pk.
- Omphalia tubaeformis*, Pk.
- Panus foetens*, Fr.

- Polyporus pubescens*, (Schum.) Fr.
- { *Boletus salicinus*, Auct. p. p.
- { *Polyporus salicinus*, Fr.
- { *Fomes salicinus*, Karst.
- { *Mucronoporus salicinus*, Ell. & Ev.

- Polyporus salignus*, Fr.
- Stereum purpurellum*, Fr.
- Trametes odora*, (Sommf.) Fr.

- { *Daedalea rubescens*, A. & S.
- { *Trametes rubescens*, Fr.

- Trametes suaveolens*, Fr.
- Tremella indecorata*, Sommf.

- Tremella intumescens*, Sm.

## EMPETRACEAE.

*Corema Conradii*, Torr.

- Cucurbitaria Coremae*, Ell. & Ev.
- Diaporthe Conradii*, Ell.

*Empetrum nigrum*, L.

- { *Uredo Empetri*, P.
- { *Chrysomyxa Empetri*, Rostrup.
- Metasphaeria Empetri*, Sacc.
- Septoria Empetri*, Rostrup.
- Sporomega Empetri*, Rostrup.







# A PROVISIONAL HOST-INDEX

OF THE

# FUNGI OF THE UNITED STATES

BY

W. G. FARLOW AND A. B. SEYMOUR

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PART III.

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CAMBRIDGE, JUNE, 1891



## ENDOGENS.

### ORCHIDACEAE.

*Corallorrhiza multiflora*, Nutt.  
  { Leptosphaeria Corallorrhizae, Pk.  
  { Heptameria Corallorrhizae, Cke.  
*Cypripedium pubescens*, Willd.  
  Puccinia Cypripedii, Arth. & Holw.  
*Habenaria hyperborea*, R. Br.  
  Cladosporium herbarum, (P.) Lk.  
  { Lachnum Groenlandicum, Rostrup.  
  { Dasyscypha Groenlandica, Sacc.  
*Orchidaceae*, sp. indet.  
  Gloeosporium cinctum, B. & C.

### SCITAMINEAE.

*Canna Indica*, L.  
  Macrosporium bulbotrichum, Cke.  
*Musa*, sp. indet.  
  Chaetophoma Musae, Cke.  
  Cladosporium pannosum, Cke.  
  Cyphella Bananae, Cke.  
  Fusarium semitectum, B. & Rav.  
  Gloeosporium lagenarium, (Pass.) Sacc. &  
    Roum., var. Musarum, Ell. & Ev.  
  { Penicillium atrobrunneum, Cke.  
  { Haplographium atrobrunneum, Sacc.  
  { Hendersonia Musae, Cke.  
  { Stagonospora Musae, Sacc.  
  Myxosporium Musae, B. & C.  
  Phoma Musarum, Cke.  
  Sporidesmium Fumago, Cke.  
  Stachybotrys subsimplex, Cke.  
*Thalia dealbata*, Roscoe.  
  Cercospora Thaliae, Ell. & Langlois.

### BROMELIACEAE.

*Tillandsia usneoides*, L.  
  { Psilonia cylindrospora, B. & C.  
  { Volutella cylindrospora, Sacc.

### HAEMODORACEAE.

*Aletris aurea*, Walt.  
*Aletris farinosa*, L.  
  Puccinia Aletridis, B. & C.

### IRIDACEAE.

*Belamcanda Chinensis*, Adans.  
  Heterosporium gracile, Sacc.  
*Gladiolus*, sp. indet.  
  Cyphella fumosa, Cke.  
  Diaporthe Gladioli, Ell. & Ev.  
  { Sphaeropsis elongata, B. & C.  
  { Phoma elongata, Sacc.  
  { Macrophoma elongata, Berl. & Vogl.  
  { Sphaeropsis Gladioli, Cke.  
  { Phoma Gladioli, Sacc.  
  { Macrophoma Gladioli, Berl. & Vogl.  
  Macrosporium caudatum, C. & E.  
  Macrosporium fasciculatum, C. & E.  
  Polyactis cinerea, (P.) B.  
  { Sphaeria minimipuncta, Cke.  
  { Sphaerella minimipuncta, Cke.  
  Sphaeropsis lanceolata, C. & E.  
*Iris Douglasiana*, Herbert.  
*Iris longipetala*, Herbert.  
  Caeoma (Uredo) Iridis, S.  
*Iris Missouriensis*, Nutt.  
  Macrosporium Iridis, C. & E.?  
*Iris sambucina*, L.  
  Macrosporium Iridis, C. & E.  
*Iris versicolor*, L.  
  Aecidium Iridis, Gerard.  
  Cylindrosporium Iridis, Ell. & Halsted.  
  { Helminthosporium gracile, Wallr.  
  { Heterosporium gracile, Sacc.  
  Sphaerella Iridis, Awd.  
  { Uredo Iridis, DC.  
  { Caeoma (Uredo) Iridis, S.  
  { Puccinia Iridis, Duby?  
  { Trichobasis iridicola, Pk.  
  { Uredo iridicola, De Toni.

*Iris Virginica*, L.

Caeoma (Uredo) Iridis, S.  
 Cladosporium iridicolum, S.  
 Helminkhosporium gracile, Wallr.  
 Sphaeria iridicola, S.  
 Vermicularia acuminata, S.

*Iris*, sp. indet.

{ Sphaeria Iridis, S.  
 { Dothidea Iridis, S. in Herb. B. sec Cke.  
 { Darluca Filum, Cast.  
 Dothidea reticulata, (DC.) Fr.  
 Perispodium Iridis, Fr.  
 Polyactis cinerea, (P.) B.  
 Vermicularia Dematium, (P.) Fr.  
*Sisyrinchium bellum*, Watson.  
 Kellermania Sisyrinchii, Ell. & Ev.

## AMARYLLIDACEAE.

*Agave Americana*, L.

Melanconium Americanum, Pk. & Clinton.  
 { Stachybotrys subsimplex, Cke?  
 { Stachybotrys simplex, Hark.

*Agave Shawii*, Engelm.

{ Dothidea Parryi, Farl. Miss.  
 { Endothia Parryi, Cke.

*Agave*, sp. indet.

Torula diversa, Cke.

*Amaryllis*, sp. indet.

Cercospora Amaryllidis, Ell. & Ev.

*Hypoxis erecta*, L.

Urocystis Hypoxis, Thaxter.

Uromyces attinis, Wint.

*Narcissus*, sp. indet.

Aegerita candida, P.  
 { Hendersonia Curtisii, B.  
 { Stagonospora Curtisii, Sace.

*Pancratium coronarium*, Leeonte.

Cercospora Pancratii, Ell. & Ev.

## DIOSCOREACEAE.

*Dioscorea villosa*, Torr.

Cercospora Dioscoreae, Ell. & Martin.

*Dioscorea*, sp. indet.

{ Sphaeria Dioseoreae, B. & C.  
 { Didymella Dioscoreae, Sace.  
 { Septoria Dioscoreae, Cke.  
 { Phyllosticta Dioscoreae, Cke.

## LILIACEAE.

*Allium Cepa*, L.

{ Dactylium melanopus, S.  
 { Aethothecium melanopus, Sacc.  
 Cladosporium sparsum, S.  
 { Fusisporium atrovirens, B.  
 { Fusariella atrovirens, Sacc. Syll.

## Macrosporium Porri, Ell.

Macrosporium Sarcinula, B., var. parasiticum, Thm.

## Mucor subtilissimus, B.

{ Peronospora Schleideni, Ung.  
 { Peronospora Schleideniana, D By.

## { Dothidea Cepae, S.

{ Phyllachora Cepae, Sace.

## { Urocystis Cepulae, Frost.

{ Urocytis Colchici, var. Cepulae, Cke.

## Vermicularia circinans, B.

## { Sphaeria Dematium, P.

{ Vermicularia Dematium, Fr.

*Allium mutabile*, Michx.

Puccinia mutabilis, Ell. & Gall.

*Allium Nevadense*, Watson.

Puecinia Allii, (DC.) Wint.

*Allium Porrum*, L.

Macrosporium Porri, Ell.

*Allium reticulatum*, Fraser.

Aecidium Convallariae, Schum.

*Allium Schoenoprasum*, L.

Sphaeria allicina, Fr.

*Allium stellatum*, Fraser.

Aecidium alliicolum, Wint.

*Allium tricoccum*, Ait.

{ Septoria Alliorum, Westd.

{ Septoria viridetingens, M. A. Curtis.

*Allium vineale*, L.

Heterosporium Allii, Ell. & Martin.

Heterosporium Ornithogali, (Klotzsch) Cke.

*Allium*, sp. indet.

Aspergillus niger, Van Tiegh.

## { Dematium articulatum, P.

{ Cladosporium fasciculare, Fr.

## { Dothidea penicillata, S.

{ Phyllachora penicillata, Sace.

## Rhinotrichum tenellum, B. &amp; C.

## { Sphaeria exuberans, Fr.

{ Sphaeria Porri, var. exuberans, S.

## Vermicularia Liliacearum, S.

*Asparagus officinalis*, L.

Cercospora caulincola, Wint.

Cladosporium fasciculare, Fr.

Diplodia Asparagi, Pk.

Epicoeum purpuraseens, Ehrb.

Gibbera Saubinetii, Mont.

Leptosphaeria Asparagi, Pk.

{ Sphaeria comatella, C. & E.

{ Leptosphaeria comatella, Sacc.

{ Heptameria comatella, Cke.

{ Sphaeropsis lanceolata, C. & E.

{ Phoma lanceolata, Sace.

{ Macrophoma lanceolata, Berl. & Vogl.

Macrosporium caespitulum, Cke.

Macrosporium commune, Rabh.

*Phoma Asparagi*, Sacc.  
*Phoma media*, Ell. & Ev.  
*Phoma microspora*, B. & C.  
 { *Sphaeria herbarum*, P.  
 { *Pleospora herbarum*, Rabh.  
*Puccinia Asparagi*, DC.  
*Septoria phlyctenaoides*, B. & C.  
***Brodiaea capitata***, Benth.  
*Puccina nodosa*, Ell. & Hark.  
***Brodiaea Howellii***, Watson.  
 { *Hendersonia cylindrocarpa*, Ell. & Ev.  
 { *Stagonospora cylindrocarpa*, Sacc.  
***Brodiaea laxa***, Watson.  
*Uromyces Brodiaeae*, Ell. & Hark.  
***Calochortus Nuttallii***, Torr. & Gr.  
*Puccinia Calochorti*, Pk.  
***Calochortus nudus***, Watson.  
*Puccinia anachoreta*, Hark.  
***Chlorogalum pomeridianum***, Kunth.  
 { *Sphaeria permunda*, Cke.  
 { *Pleospora permunda*, Sacc.  
*Rhabdospora Chlorogali*, Cke. & Hark.  
***Clintonia borealis***, Raf.  
 { *Puccinia mesomajalis*, B. & C. in Peck 25th  
 Rept.  
 { *Puccinia mesomegala*, B. & C. in Grev. III.  
 52.  
***Convallaria majalis***, L.  
*Asteroma reticulatum*, (DC.) Chev.  
 { *Depazea cruenta*, Fr.  
 { *Phyllosticta cruenta*, Kickx.  
***Dasyliion Wheeleri***, Watson.  
*Torula quaternata*, B. & C.  
***Dasyliion***, sp. indet.  
 { *Dothidea Dasylii*, Pk.  
 { *Phyllachora Dasylii*, Sacc.  
***Dracaena Cooperi***, Walt.  
*Cladosporium dracaenatum*, Thm.  
***Dracaena***, sp. indet.  
*Lophodermium Dracaenae*, Phil. & Hark.  
*Macrosporium abruptum*, C. & E.  
 { *Sphaeria anisometra*, Cke. & Hark.  
 { *Metasphaeria anisometra*, Sacc.  
 { *Endophlaea anisometra*, Cke. & Hark.  
*Pleospora phragmospora*, (Dur. & Mont.)  
 Ces.  
***Erythronium Americanum***, Smith.  
*Protomyces Erythronii*, Pk.  
 { *Ustilago Erythronii*, Clinton.  
 { *Ustilago Ornithogali*, (Schm. & Kze.) Kühn,  
 forma *Erythronii*, De Toni.  
***Fritillaria***, sp. indet.  
 { *Uromyces Liliacearum*, Unger.  
 { *Uromyces Erythronii*, (DC.) Pass.  
***Helonias bullata***, L.  
 { *Sphaeria heloniaefolia*, C. & E.  
 { *Sphaerella heloniaefolia*, C. & E.  
 { *Hendersonia heloniaefolia*, Cke.  
 { *Leptosphaeria heloniaefolia*, Sacc.

***Hemerocallis fulva***, L.  
*Cyphella Capula*, (Holmsk.) Fr.  
*Heterosporium gracile*, Sacc.  
***Hemerocallis***, sp. indet.  
 { *Xyloma Liliorum*, S.  
 { *Excipula Liliorum*, Fr.  
 { *Dothidea Lineola*, S.  
 { *Asteroma Lineola*, M. A. Curtis.  
 { *Phyllachora Lineola*, Sacc.  
*Vermicularia Liliacearum*, S.  
 { *Xyloma nitens*, S.  
 { *Leptostroma sphaeroides*, Fr., var. *nitens*,  
 Fr.  
***Lilium Canadense***, L.  
*Aecidium Convallariae*, Schum.  
 { *Uromyces Erythronii*, (DC.) Pass.  
 { *Uromyces Lilii*, Clinton.  
***Lilium candidum***, L.  
*Aecidium Convallariae*, Schum., var. *Lilii*,  
 Farl.  
***Lilium pardalinum***, Kellogg.  
*Peziza atrata*, P., var. *Liliacearum*, Phil. &  
 Hark.  
***Lilium Philadelphicum***, L.  
 { *Uromyces Liliacearum*, Ung.  
 { *Uromyces Erythronii*, (DC.) Pass.  
***Lilium superbum***, L.  
 { *Uromyces Erythronii*, (DC.) Pass.  
 { *Uromyces Holwayi*, Lagerheim.  
***Lilium tigrinum***, Ker.  
*Vermicularia Dematium*, Fr.  
 { *Vermicularia Liliacearum*, S. ?  
 { *Vermicularia Liliacearum*, Westd.  
***Maianthemum Canadense***, Desf.  
*Cercospora Maianthemi*, Fckl.  
*Didymium Fairmani*, Sacc.  
*Dothidea reticulata*, (DC.) Fr.  
*Phoma Maianthemi*, Pk.  
*Cercospora subsanguinea*, Ell. & Ev.  
***Nothoscordum striatum***, Kunth.  
*Uromyces Erythronii*, (DC.) Pass.  
***Oakesia sessilifolia***, Watson.  
 { *Aecidium Uvulariae*, S.  
 { *Caeoma (Aecidium) uvulariatum*, S.  
***Ornithogalum umbellatum***, L.  
*Heterosporium Ornithogali*, (Klotzsch) Cke.  
***Phormium tenax***, Forst.  
 { *Gloeosporium phomiforme*, Sacc. & Ell.  
 { *Gloeosporium punctiforme*, Sacc. & Ell.  
*Hymenula phormicola*, Cke. & Hark.  
 { *Leptosphaeria phormicola*, Cke. & Hark.  
 { *Heptameria phormicola*, Cke.  
*Stachybotrys scabra*, Cke. & Hark.  
***Polygonatum biflorum***, Elliott.  
*Aecidium Convallariae*, Schum.  
***Polygonatum giganteum***, Dietrich.  
*Aecidium Convallariae*, Schum.

♂ *Hysterium Polygonati*, S.  
 ♂ *Hypoderma Polygonati*, Cke.  
 ♂ *Sphaeria cruenta*, Fr.  
 ♂ *Depazea cruenta*, Fr.  
 ♂ *Phyllosticta cruenta*, Kickx.  
*Sacidium Polygonati*, Ell. & Martin.  
*Sphaeria tenuissima*, S.  
*Urocystis Colchici* (Schl.) Rabh.  
***Polygonatum***, sp. indet.  
 ♂ *Dothidea Asteroma*, Fr.  
*Labrella nitida*, S.  
 ♂ *Sphaeria Polygonati*, S.  
 ♂ *Sphaerella Polygonati*, Cke.  
 ♂ *Laestadia Polygonati*, Sacc.  
*Periconia pycnospora*, Fres.  
 ♂ *Dothidea Polygonati*, S.  
 ♂ *Phyllachora Polygonati*, Sacc.  
*Sphaeria subradians*, Fr.  
*Vermicularia Polygonati*, S.  
*Vermicularia trichella*, Fr.  
***Smilacina amplexicaulis***, Nutt.  
 ♂ *Phyllosticta cruenta*, (Fr.) Kickx.  
***Smilacina racemosa***, Desf.  
 ♂ *Aecidium Convallariae*, Schum.  
 ♂ *Caeoma (Aecidium) convallariatum*, Lk.  
*Diaporthe inquilina*, (Fr.) Nits.  
 ♂ *Depazea cruenta*, Fr.  
 ♂ *Phyllosticta cruenta*, Kickx.  
*Phyllosticta vagans*, Pk.  
*Septoria Smilacinae*, Ell. & Martin.  
***Smilacina stellata***, Desf.  
*Aecidium Convallariae*, Schum.  
 ♂ *Sphaeria smilacinina*, Pk.  
 ♂ *Anthostomella smilacinina*, Sacc.  
*Phyllosticta cruenta*, (Fr.) Kickx.  
*Urocystis Colchici*, (Schl.) Rabh.  
***Smilacina trifolia***, Desf.  
*Peckia Clintonii*, Pk.  
***Smilax Bona-nox***, L.  
*Diplodia smilacina*, B.  
 ♂ *Hysterium Smilacis*, S.  
 ♂ *Hypoderma Smilacis*, Rehm.  
***Smilax glauca***, Walt.  
 ♂ *Cercospora Smilacis*, Auct. Amer.  
 ♂ *Cercospora smilacina*, Sacc.  
*Diplodia smilacina*, B.  
 ♂ *Dothidea Dioscoreae*, S.  
 ♂ *Phyllachora Dioscoreae*, Sacc.  
 ♂ *Phoma Dioscoreae*, Cke.  
*Helminthosporium Petersii*, B. & C.  
*Uredo Smilacis*, S.  
***Smilax herbacea***, L.  
*Aecidium Smilacis*, S.  
*Ceratium insociabile*, Gerard.  
*Septoria smilacina*, Dur. & Mont.  
*Stagonospora Smilacis*, (Ell. & Martin)  
 Sacc.

*Vermicularia alboimaculata*, S.  
***Smilax hispida***, Muhl.  
*Aecidium Smilacis*, S.  
*Dendryphium subsessile*, Ell. & Ev.  
*Puccinia Smilacis*, S.  
*Sphaeropsis brunneola*, B. & C.  
*Sphaeropsis Smilacis*, Ell. & Ev.  
***Smilax laurifolia***, L.  
 ♂ *Aecidium Smilacis*, S.  
 ♂ *Caeoma smilacinatum*, Lk.  
 ♂ *Uredo Smilacis*, Spreng.  
 ♂ *Aecidium verrucosum*, Bon.  
 ♂ *Sphaeria sepelibilis*, B. & C.  
 ♂ *Anthostomella sepelibilis*, Sacc.  
*Leptostroma Smilacis*, Cke.  
 ♂ *Xyloma Smilacis*, S. Syn. Car.  
 ♂ *Rhytisma Smilacis*, Fr.  
 ♂ *Dichaena smilacina*, S. Am. bor.  
 ♂ *Microthyrium Smilacis*, Cke. an De Not?  
*Sphaerella smilacicola*, (S.) Cke.  
 ♂ *Sphaeria sepulta*, B. & C.  
 ♂ *Eutypa sepulta*, Sacc.  
***Smilax Pseudo-China***, L.  
*Coniothyrium Fuckelii*, Sacc.  
***Smilax pumila***, Walt.  
*Puccinia Smilacis*, S.  
***Smilax rotundifolia***, L.  
*Aecidium macrosporum*, Pk.  
 ♂ *Aecidium Smilacis*, S.  
 ♂ *Caeoma smilacinatum*, Lk.  
 ♂ *Uredo Smilacis*, Spreng.  
 ♂ *Aecidium verrucosum*, Bon.  
 ♂ *Ascochyta Smilacis*, Ell. & Martin.  
 ♂ *Steganosporium Smilacis*, Sacc.  
*Colletosporium atrum*, Lk., var. *purpurascens*, S.  
*Corticium incarnatum*, Fr.  
*Coryneum Smilacis*, S.  
 ♂ *Dematium Smilacis*, S.  
 ♂ *Cladosporium Smilacis*, Fr.  
*Diplodia smilacina*, B.  
*Discosia maculicola*, Gerard.  
*Dothidea abnormis*, Howe.  
*Helminthosporium fragillimum*, B. & C.  
 ♂ *Hysterium Smilacis*, S.  
 ♂ *Hypoderma Smilacis*, Rehm.  
 ♂ *Xyloma Smilacis*, S. Syn. Car.?  
 ♂ *Rhytisma Smilacis*, Fr.?  
 ♂ *Dichaena smilacina*, S. Am. bor?  
 ♂ *Microthyrium Smilacis*, De Not.  
 ♂ *Myiocopron Smilacis*, Sacc.  
*Phlyctaena Smilacis*, Cke.  
 ♂ *Sphaeropsis brunneola*, B. & C.  
 ♂ *Phoma brunneola*, Sacc.  
 ♂ *Sphaeropsis smilacina*, Pk.  
 ♂ *Phoma smilacina*, Sacc.  
 ♂ *Macrophoma smilacina*, Berl. & Vogl.

{ *Uredo Smilacis*, S.  
 { *Puccinia Smilacis*, S.  
 { *Caeoma Smilacis*, Lk.  
 { *Sphaeria smilacicola*, S.  
 { *Diatrype smilacicola*, M. A. Curtis.  
 { *Sphaeria (Depazea) smilacicola*, S.  
 { *Spharella smilacicola*, Cke.  
***Smilax***, sp. indet.  
*Acrospermum foliicolum*, R.  
 { *Sphaeria eliminata*, B. & C.  
 { *Anthostomella eliminata*, Sacc.  
*Anthostomella Ludoviciana*, Ell. & Langlois.  
*Aspergillus pulvinatus*, B. & C.  
*Calosphaeria Smilacis*, Karst. & Hariot.  
*Capnodium elongatum*, B. & Desm.  
*Cercospora nubilosa*, Ell. & Ev.  
*Cercospora Smilacis*, Thm.  
 { *Sphaeria aliquanti*, C. & E.  
 { *Clypeosphaera? aliquanta*, Sacc.  
 { *Heptameria aliquanta*, Cke.  
*Cytospora Smilacis*, Cke.  
 { *Sphaeria polysticta*, B. & C.  
 { *Didymosphaeria polysticta*, Sacc.  
 { *Didymosphaerella polysticta*, Cke.  
*Dimerosporium nimbosum*, Ell. & Martin.  
*Diplodina raimulorum*, Ell. & Ev.  
 { *Sphaerella smilacina*, Ell. & Ev.  
 { *Diplodina Smilacis*, Ell. & Ev.  
*Dothidea smilacicola*, Cke. & Gerard.  
*Fusarium marginatum*, B. & C.  
 { *Graphium pubescens*, C. & E.  
 { *Didymobotryum pubescens*, Sacc.  
*Helminthosporium siliquosum*, B. & C.  
*Hypoxyton smilacicolum*, Howe.  
 { *Hysterium griseum*, S.  
 { *Sporomega griseum*, Cke.  
*Hysterium virgultorum*, (DC.) Rob. & Desm.  
*Mystrosporium aterrimum*, B. & C.  
 { *Sphaeria filispora*, C. & E.  
 { *Ophiobolus filisporus*, Sacc.  
 { *Raphidospora filispora*, C. & E.  
*Pestalozzia clavata*, C. & E.  
*Pestalozzia funerea*, Desm.  
*Pestalozzia Guepini*, Desm.  
 { *Sphaeria disrupta*, B. & C.  
 { *Physalospora disrupta*, Sacc.  
 { *Phomatospora disrupta*, Cke.  
*Ramularia subrufa*, Ell. & Holw.  
*Sphaeria erumpens*, S.  
 { *Sporidesmium obclavatum*, Cke.  
 { *Clasterosporium obclavatum*, Sacc.  
*Valsa tetraploa*, B. & C.  
***Tofieldia palustris***, Huds.  
*Metasphaeria borealis*, Rostrup.  
*Microsticta vagans*, Desm.  
*Phoma Tofieldiae*, Rostrup.  
*Pleospora herbarum*, (P.) Rabh.  
*Sphaerella Tassiana*, De Not.  
***Trillium erythrocarpum***, Michx.  
 { *Vermicularia concentrica*, Pk. & Clinton.  
 { *Vermicularia Peckii*, Sacc.

***Trillium recurvatum***, Beck.  
*Aecidium Trillii*, Burrill.  
*Septoria Trillii*, Pk.  
***Uvularia grandiflora***, Smith.  
*Aecidium Convallariae*, Schum.  
*Phyllosticta Uvulariae*, Galloway.  
***Uvularia perfoliata***, L.  
*Aecidium Convallariae*, Schum.  
 { *Aecidium Uvulariae*, S.  
 { *Caeoma alliatum*, Lk. p. p.  
 { *Uredo Uvulariae*, Spreng.  
 { *Caeoma uvulariatum*, S.  
***Uvularia***, sp. indet.  
*Erysiphe communis*, forma *Liliacearum*, F.  
*Sphaeria Aegopodii*, P.  
***Veratrum Californicum***, Durand.  
*Puccinia Veratri*, Duby.  
*Uredo confluens*, var. b., S. Syn. Car.  
***Veratrum viride***, Ait.  
*Cylindrosporium veratrinum*, Sacc. & Wint.  
*Dothidea melanoplaca* Desm.  
*Puccinia Veratri*, Duby.  
***Veratrum Woodii***, Robbins.  
*Puccinia atropuncta*, Pk. & Clinton.  
***Veratrum***, sp. indet.  
*Peziza setigera*, Phil.  
***Xerophyllum setifolium***, Michx.  
*Asterina Xerophylli*, Ell.  
*Hendersonia Xerophylli*, Ell.  
 { *Leptosphaeria hysteroides*, Ell. & Ev.  
 { *Heptameria hysteroides*, Cke.  
*Leptosphaeria Xerophylli*, Ell.  
 { *Metasphaeria Xerophylli*, Sacc.  
 { *Sphaerulina Xerophylli*, Cke.  
*Pestalozzia capitata*, Ell.  
***Yucca aloifolia***, L.  
 { *Sphaeria nigroannulata*, B. & C.  
 { *Anthostomella nigroannulata*, Sacc.  
*Cladosporium atriellum*, Cke.  
 { *Fusarium Yuccae*, Cke.  
 { *Nectria depauperata*, Cke.  
 { *Dialonectria depauperata*, Cke.  
*Diplodia circinans*, B. & C.  
*Diplodia circinans*, B. & Br., var. *diffusa*. B.  
*Dothidea Pringlei*, Pk.  
 { *Discella anomala*, Cke.  
 { *Discula anomala*, Sacc.  
 { *Kellermannia yuccae*, Ell. & Ev.  
*Pleospora Thümeniana*, Sacc.  
*Sphaeria Yuccae*, Fr.  
***Yucca angustifolia***, Pursh.  
*Coniothyrium herbarum*, C. & E.  
*Cylindrosporium angustifolium*, Ell. & Kell.  
 { *Sphaeria yuccae*, Cke.  
 { *Didymosphaeria yuccae*, Sacc.  
 { *Didymosphaerella yuccae*, Cke.  
*Kellermannia yuccae*, Ell. & Ev.

*Yucca brevifolia*, Engelm.

Kellermannia yuccaegea, Ell. &amp; Ev.

*Yucca filamentosa*, L.

{ Cercospora concentrica, C. &amp; E.

{ Cercospora Yuccae, Cke.

{ Phoma concentrica, Desm.

{ Coniothyrium concentricum, Sacc.

{ Phoma concentrica, Rav. Fung. Am.

{ Coniothyrium inops, Sacc.

Coniothyrium herbarum, C. &amp; E.

Diatrype acervata, Ell. &amp; Ev.

Gloeosporium yuccaegeum, Ell. &amp; Ev.

Kellermannia yuccaegea, Ell. &amp; Ev.

Leptosphaeria filamentosa, Ell. &amp; Ev.

{ Sphaeropsis filamentosa, Cke.

{ Phoma filamentosa, Sacc.

{ Macrophoma filamentosa, Berl. &amp; Vogl.

Macrosporium abruptum, C. &amp; E.

Macrosporium commune, Rabh.

Pestalotiella Yuccae, Karst.

{ Sphaeria argyrostigma, B.

{ Sphaeria argyrostoma, Curt. Cat.

{ Phomatospora argyrostigma, Sacc.

{ Dothidea scapincola, S.

{ Phyllachora scapincola, Sacc.

Sphaeria scapincola, S.

Vermicularia subeffigurata, S., var. scapincola, S.

*Yucca gloriosa*, L.

{ Sphaeria Yuccae-gloriosae, S.

{ Sphaeria Yuccae, Fr.

{ Septoria Yuccae, Sacc.

*Yucca macrocarpa*, Engelm.

{ Dothidea Pringlei, Pk.

{ Auerswaldia Pringlei, Sacc.

{ Phyllachora Pringlei, Cke.

*Yucca*, sp. indet.

Phoma Yuccae, Cke.

Phyllosticta yuccaegea, Ell. &amp; Ev.

{ Sphaeria uvispora, Cke.

{ Physalospora uvispora, Cke.

Sphaeropsis marginata, B. &amp; C.

Torula maculans, Cke.

*Zygadenus elegans*, Pursh.

Puccinia Zygadeni, Trelease.

*Zygadenus Fremonti*, Torr.*Zygadenus Nuttallii*, Gray.*Zygadenus paniculatus*, Watson.

Uromyces Zygadeni, Pk.

## PONTEDERIACEAE.

*Pontederia cordata*, L.

Sphaerella Pontederiae, Pk.

{ Uromyces Pontederiae, Cke. in Rav. Fung.

{ Am. 793 nec Gerard.

{ Uromyces Pontederiac, Speg.

## COMMELINACEAE.

*Tradescantia Virginica*, L.

Cylindrosporium Tradescantiae, Ell. &amp; Kell.

Oidium erysiphoides, Fr.

## JUNCACEAE.

*Juncus arcticus*, Willd.

Mollisia junciseda, Karst.

*Juncus biglumis*, L.

Leptosphaeria juncina, (Awd.) Sacc.

*Juncus castaneus*, Smith.

Mollisia junciseda, Karst.

*Juncus effusus*, L.

{ Sphaeria defodiens, Ell.

{ Metasphaeria defodiens, Sacc.

{ Leptosphaeria defodiens, Ell.

Peziza luteodisca, Pk.

Phyllachora Junci, (Fr.) Fckl.

{ Puccinia Junci, Desm.

{ Puccinia Junci, S.

{ Uromyces Junci, Tul.

{ Trichobasis Junci, Auct. Amer.

Ustilago Junci, (S.) B.

*Juncus filiformis*, L.

{ Sphaeria striaeformis, var. Junci, A. &amp; S.

{ Sphaeria Junci, Fr.

{ Dothidea Junci, Fr.

{ Phyllachora Junci, Fckl.

*Juncus Greenii*, Oakes & Tuckerm.

{ Sphaeria Michotii, Westd.

{ Leptosphaeria Michotii, Sacc.

*Juncus Lescurii*, Bolander.

Hendersonia culmicola, Sacc.

Hendersonia scirpicola, Cke. &amp; Hark.

Leptothyrium juncinum, Cke. &amp; Hark.

Trullula Junci, Cke. &amp; Hark.

*Juncus longistylis*, Torr.

Uromyces Junci, (Desm.) Tul.

*Juncus maritimus*, L.

{ Hendersonia trimera, Cke.

{ Stagonospora trimera, Sacc.

*Juncus Mertensianus*, Bong.

Uromyces Junci, (Desm.) Tul.

*Juncus tenuis*, Willd.

{ Caeoma (Uredo) Junci, S.

{ Ustilago Junci, B.

{ Cintractia Junci, Trelease.

{ Peziza stictoidea, C. &amp; E.

{ Mollisia stictoides, Sacc.

Uromyces Junci, (Desm.) Tul.

*Juncus trifidus*, L.

Mollisia junciseda, Karst.

Septoria Junci, Desm.

Trochila juncicola, Rostrup.

*Juncus triglumis*, L.

Trochila juncicola, Rostrup.

*Juncus*, sp. indet.

- Camptoum cuspidatum, Cke. & Hark.
- { Sphaeria juncina, B. & Rav.
- { Didymella juncina, Sacc.
- { Discella tenuispora, Cke. & Hark.
- { Discula tenuispora, Sacc.
- { Fusarium pallens, B. & C.
- { Fusarium Curtisii, Cke.
- { Fusarium glumarum, Sacc.
- Pleospora juncigena, Cke.
- { Propolis sphaerelloides, Ell.
- { Diplonaevia sphaerelloides, Sacc.
- ?Sphaeria Graminis, P.
- { Darluca Filum, (Biv.) Cast.
- { Sphaeronema consors, B. & C.

*Luzula arctica*, Bl.

- Pleospora Elynae, (Rabh.) Ces. & De Not.
- Trochila juncicola, Rostrup.

*Luzula arcuata*, Meyer.

- { Hendersonia Luzulae, Westd.
- { Stagonospora Luzulae, Sacc.
- Leptosphaeria culmorum, Awd.
- Trochila juncicola, Rostrup.

*Luzula campestris*, DC.

- { Hendersonia Luzulae, Westd.
- { Stagonospora Luzulae, Sacc.
- Leptosphaeria culmorum, Awd.
- Puccinia obscura, Schrt.
- Puccinia obscura, Schrt., var. vernalis, Pk.
- Sphaerella Tassiana, De Not.
- Trochila juncicola, Rostrup.

*Luzula confusa*, Lindeb.

- Pleospora Elynae, (Rabh.) Ces. & De Not.
- Sphaerella Luzulae, Cke.
- Sphaerella Tassiana, De Not.
- Trochila juncicola, Rostrup.

*Luzula parviflora*, Desv.

- Mollisia luzulina, Karst.

*Luzula spicata*, Desv.

- Leptosphaeria culmorum, Awd.
- Leptostroma Luzulae, Lib.
- Phoma Luzulae, Rostrup.
- Pyrenophora comata, (Niessl) Sacc.
- Septoria minuta, Schrt.
- Sphaerella Tassiana, De Not.
- Stagonospora Luzulae, (Westd.) Sacc.
- Trochila juncicola, Rostrup.

## PALMEAEE.

*Arenga saccharifera*, Mart.*Chamaerops humilis*, L.

Graphiola Phoenicis, Poit.

*Cocos plumosa*, Hook.

Septoria cocoina, Ell. & Ev.

*Phoenix dactylifera*, L.

Graphiola Phoenicis, Poit.

*Pritchardia*, sp. indet.

Phoma Pritchardiae, Cke. & Hark.

*Sabal Adansonii*, Guerns.

Sphaeropsis Sabal, Cke.

*Sabal Palmetto*, Roem. & Schult.

Aerosporium sabalinum, Ell. & Ev.

Anthostomella melanosticta, Ell. & Ev.

Asterina inquinans, Ell. and Ev.

Chaetophoma Sabal, Cke.

Cladosporium Palmetto, Gerard.

Graphiola congesta, B. & Rav.

Cyphella subcyanea, Ell. & Ev.

Dermatea Sabalidis, Ell. & Martin.

{ Diatrypella deusta, Ell. & Martin.

{ Diatrype deusta, Cke.

Helminthosporium Palmetto, Gerard.

Helminthosporium spiculiforme, Ell. & Ev.

Leptostroma micropunctum, Cke.

Linospora Palmetto, Ell. & Ev.

Ophiobolus versisporus, Ell. & Martin.

Phyllosticta Palmetto, Ell. & Ev.

{ Rhytisma sparsum, Pk. & Clinton.

{ Cocconia sparsa, Sacc.

Sphaerella sabaligena, Ell. & Ev.

Sphaeria sabalicola, Ell. & Martin.

Venturia sabalicola, Ell. & Ev.

*Sabal serrulata*, Roem. & Schult.

Anthostomella minor, Ell. & Ev.

Sphaeria (Anthostomella) leucobasis, Ell. & Martin.

{ Sphaeria sabalensioides, Ell. & Martin.

{ Anthostomella sabalensioides, Sacc.

{ Dermatea Sabalidis, Ell. & Martin.

{ Cenangium Sabalidis, Sacc.

{ Diatrypella deusta, Ell. & Martin.

{ Diatrype deusta, Cke.

{ Didymosphaeria serrulata, Ell. & Martin.

{ Didymosphaerella serrulata, Cke.

{ Sphaeria Sabalensis, Cke.

{ Dilophia Sabalensis, Sacc.

{ Metasphaeria Sabalensis, Cke.

Hypoxylon perforatum, (S.) Fr.

Hysterium lineolatum, Cke.

{ Sphaeria sabalicola, Ell. & Mart.

{ Leptosphaeria sabalicola, Sacc.

{ Heptameria sabalicola, Cke.

Melanconium Sabal, Cke.

{ Meliola furcata, Ell., N. A. F. 1297 e.

{ Meliola palmicola, Wint.

{ Ophiobolus versisporus, Ell. & Martin.

{ Raphidospora versispora, Cke.

Sphaerella incisa, Ell. & Martin.

Sphaerella serrulata, Ell. & Ev.

*Sabal*, sp. indet.

- { *Sphaeria* *sabaligera*, B. & C.
- { *Clypeosphaeria* *sabaligera*, Sacc.
- { *Leptosphaeria* *sabaligera*, Cke.
- Coniosporium* *Arundinis*, (Cda.) Sacc.
- Melanconium* *Palmarum*, Cke.

- { *Meliola* *amphitricha*, Rav. Fung. Am. St.
- { *Meliola* *fureata*, Lev. sec. Speg.

*Melogramma* *fuliginosum*, Ell. p.p.

- { *Sphaeria* *Palmetta*, Cke.
- { *Metasphaeria* *Palmetta*, Sacc.

*Ravenelula* *Gainesvillensis*, Speg.

*Rhabdospora* *Sabalensis*, Cke.

*Sphaeria* *Palmarum*, Duby.

*Valsa* *sabalina*, Cke.

*Palmeæ*, sp. indet.

- { *Sphaeria* *palmacea*, Cke.
- { *Anthostomella* *palmacea*, Sacc.
- { *Didymosphaerella* *palmacea*, Cke.
- { *Sphaeropsis* *maculata*, Cke. & Hark.
- { *Phoma* *maculata*, Sacc.

#### PANDANACEAE.

*Pandanus*, sp. indet.

*Physalospora* *Pandani*, Ell. & Ev.

#### TYPHACEAE.

*Sparganium* *eurycarpum*, Engelm.

*Uromyces* *Sparganii*, C. & P.

*Typha* *angustifolia*, L.

*Cladosporium* *Typharum*, Desm.

*Melanconium* *Typhae*, Pk.

*Typha* *latifolia*, L.

*Cladosporium* *fasciculatum*, Cda.

*Cladosporium* *herbarum*, (P.) Lk.

*Cladosporium* *Typhae*, S.

*Cladosporium* *Typharum*, Desm.

*Dictyosporium* *opacum*, Cke. & Hark.

- { *Didymosphaeria* *Typhae*, Pk.

- { *Didymosphaerella* *Typhae*, Cke.

*Leptosphaeria* *luctuosa*, Niessl.

*Leptosphaeria* *Michotii*, (Westd.) Sacc.

*Leptosphaeria* *Typhae*, Karst.

*Leptosphaeria* *Typharum*, Karst.

*Peziza* *Typhae*, Pk.

*Phyllactinia* *suffulta*, (Reb.) Sacc.

*Pleospora* *Typhae*, Pass.

*Sphaerella* *Typhae*, (Lasch) Awd.

*Sphaeria* *Typhae*, S.

*Sphaeropsis* *typhina*, Pk.

*Typha*, sp. indet.

*Chaetomium* *Typhae*, S.

- { *Sphaeria* *intercellularis*, B. & C.

- { *Sphaerella* *intercellularis*, Cke.

- { *Didymella* *intercellularis*, Sacc.

- { *Hysterium* *typhinum*, Fr.
- { *Lophodermium* *typhinum*, Lamb.
- { *Darluca* *angusta*, Cke.
- { *Septoria* *angusta*, Sacc.

#### ARACEÆ.

*Acorus* *Calamus*, L.

*Uromyces* *piriformis*, Cke.

*Arisaema* *Dracontium*, Schott.

- { *Aecidium* *Caladii*, S.
- { *Caeoma* (*Aecidium*) *dracontiatum*, S.
- { *Uromyces* *Caladii*, Farl.

*Arisaema* *triphyllum*, Torr.

- { *Caeoma* (*Aecidium*) *aroidatum*, Lk.
- { *Caeoma* (*Uredo*) *Ari-Virginici*, S.
- { *Caeoma* (*Aecidium*) *dracontiatum*, S.
- { *Puccinia* *Ari-triphylli*, S.
- { *Accidium* *Ari*, Auct. Amer.
- { *Uromyces* *Peltandrae*, Howe.
- { *Uromyces* *Arisaemae*, Cke.
- { *Uromyces* *Ari*, Farl.
- { *Uromyces* *Caladii*, Farl.

*Call* *palustris*, L.

*Cercospora* *Callae*, Pk. & Clinton.

*Colocasia* *esculenta*, Schott.

*Macrophoma* *subconica*, Ell. & Ev.

*Orontium* *aquaticum*, L.

- { *Polyactis* *streptothrix*, C. & E.
- { *Botrytis* *streptothrix*, Sacc.

*Epicoccum* *Duriaeanum*, Mont.

- { *Physalospora* *Orontii*, Ell. & Ev.
- { *Laestadia* *Orontii*, Berl. & Vogl.

*Phyllosticta* *Orontii*, Ell. & Martin.

*Ramularia* *Orontii*, Ell. & Martin.

*Sphaerella* *Orontii*, Ell. & Ev.

*Stilbum* *aciculosum*, Ell. & Ev.

*Volutella* *diaphana*, Ell.

*Peltandra* *undulata*, Raf.

*Cercospora* *Callae*, Pk. & Clinton.

*Gloeosporium* *paludosum*, Ell. & Gall.

- { *Sclerotium* *Caladii*, S.

- { *Perisporium* *Caladii*, S.

*Pestalozzia* *aquatica*, Ell. & Ev.

- { *Aecidium* *Caladii*, S.

- { *Uredo* *Caladii*, S.

- { *Caeoma* *Caladii*, Lk.

- { *Caeoma* (*Aecidium*) *aroidatum*, Lk.

- { *Uredo* *Caladii*, Spreng.

- { *Caeoma* (*Uredo*) *Ari-Virginici*, S.

- { *Caeoma* (*Aecidium*) *dracontiatum*, S.

- { *Puccinia* *Ari-triphylli*, S.

- { *Aecidium* *Ari*, Auct. Amer.

- { *Uromyces* *Peltandrae*, Howe.

- { *Uromyces* *Ari-Virginici*, Howe.

- { *Uromyces* *Pontederiae*, Gerard.

- { *Uromyces* *Arisaemae*, Cke.

- { *Uromyces* *Ari*, Farl.

- { *Uromyces* *Caladii*, Farl.

*Richardia* *Africana*, Kunth.

*Cercospora* *Callae*, Pk. & Clinton.

*Sphaeropsis Averyana*, Gerard.  
*Symplocarpus foetidus*, Salisb.  
*Cercospora Symplocarpi*, Pk.  
*Septoria spiculosa*, Ell. & Holw.

## ALISMACEAE.

*Alisma Plantago*, L.

{ *Ascochyta Alismatis*, (Oud.) Trail.  
 { *Ascochyta Alismatis*, Ell. and Ev.  
*Cercospora Alismatis*, Ell. & Holw.  
*Doassansia Alismatis*, (Nees) Cornu.  
*Septoria Alismatis*, Oud.  
*Echinodorus rostratus*, Engelm.  
*Doassansia Alismatis*, (Nees) Cornu. ?  
*Sagittaria variabilis*, Engelm.  
*Cercospora Sagittariae*, Ell. & Kell.  
 { *Uredo Sagittariae*, Westd.  
 { *Protomyces Sagittariae*, Fckl.  
 { *Doassansia Sagittariae*, Fisch.  
 { *Doassansia Alismatis*, Auct. Amer. p.p.

## NAIADACEAE.

*Potamogeton fluitans*, Roth.  
*Ramularia aquatilis*, Pk.  
*Potamogeton natans*, L.  
*Doassansia occulta*, (H. Hoffm.) Cornu.  
*Potamogeton perfoliatus*, L., var. *lanceolatus*, Robbins.  
*Doassansia occulta*, (H. Hoffm.) Cornu.  
*Potamogeton pusillus*, L.  
*Doassansia occulta*, (H. Hoffm.) Cornu.  
*Potamogeton vaseyi*, Robbins.  
 { *Sclerotium occultum*, H. Hoffm.  
 { *Doassansia Farlowii*, Cornu.  
 { *Doassansia occulta*, Cornu.  
*Triglochin palustre*, L.  
*Asteroma Juncaginearum*, Rabh.

## CYPERACEAE.

*Carex adusta*, Boott.  
*Puccinia Caricis*, (Scnum.) Reb.  
*Thecaphora aterrima*, Tul.  
*Carex alpina*, Swartz.  
 - *Sphaerella pusilla*, Awd.  
*Trochila diminuens*, Karst.  
*Carex alpina*, Swartz. var. *holostoma*, Bailey.  
*Sphaerella Tassiana*, De Not.  
*Carex aquatilis*, Wahl.  
*Pleospora pentamera*, Karst.  
*Sphaerella Tassiana*, De Not.  
*Sphaerella Wichuriana*, Schrt.  
*Trochila fuscella*, Karst.

*Carex atrata*, L.

*Trochila diminuens*, Karst.

*Carex bicolor*, All.

*Sphaerella Tassiana*, De Not.

*Carex caespitosa*, L.

*Helotium Scutula*, (P.) Karst., var. *suscpectum*, (Nyl.) Karst.

*Trochila diminuens*, Karst.

*Carex canescens*, L.

*Leptostroma caricinum*, Fr.

*Trochila diminuens*, Karst.

*Ustilago urceolorum*, Tul.

*Carex canescens*, L., var. *alpicola*, Wahl.

*Trochila diminuens*, Karst.

*Carex capillaris*, L.

*Septoria punctoidea*, Karst.

*Carex capitata*, L.

*Trochila diminuens*, Karst.

*Carex cephaloidea*, Dewey.

? *Septoria caricinella*, Sacc. & Roum.

*Carex crinita*, Lam.

*Goniosporium puccinoides*, (DC.) Lk.

{ *Peziza crinella*, Ell. & Ev.

{ *Dasyscypha crinella*, Sacc.

{ *Sphaeria Caricis*, Fr.

{ *Phyllachora Caricis*, Sacc.

{ *Puccinia Caricis*, (Schum.) Reb.

{ *Puccinia Striola*, Lk.

*Ustilago urceolorum*, Tul.

*Carex Douglasii*, Boott.

*Puccinia Caricis*, (Schum.) Reb.

*Ustilago Caricis*, (P.) Fckl.

*Carex echinata*, Murray, var. *cephalantha*, Bailey.

{ *Peziza multipuncta*, Pk.

{ *Pyrenopeziza multipuncta*, Sacc.

*Ustilago urceolorum*, Tul.

*Carex festiva*, Dewey.

*Trochila diminuens*, Karst.

*Carex filifolia*, Nutt.

*Puccinia Caricis* (Schum.) Reb.

*Ustilago Caricis*, (P.) Fckl.

*Carex filiformis*, L.

*Puccinia caricina*, DC.

*Carex folliculata*, L.

*Leptosphaeria folliculata*, Ell. & Ev.

{ *Sphaeria Carectorum*, B. & C.

{ *Sphaerella Carectorum*, Cke.

{ *Metasphearia Carectorum*, Sacc.

{ *Sphaeria perigynicola*, S.

{ *Sphaerella perigynicola*, Cke.

*Carex fusca*, All.

{ *Caeoma Caricis*, Lk.

{ *Ustilago Caricis*, (P.) Fckl.

*Carex glareosa*, Wahl.

{ *Arthrinium curvatum*, Kze.

{ *Camptoum curvatum*, Lk.

*Cladosporium caricicolum*, Cda.  
*Pleospora pentamera*, Karst.  
*Ustilago Caricis*, (P.) Fckl.  
*Carex glareosa*, Wahl., var. *caespitosa*,  
 Boeckeler.  
*Sphaerella pusilla*, Awd.  
*Carex intumescens*, Rudge.  
*Puccinia Caricis*, (Schuin.) Reb.  
*Uromyces perigynius*, Halsted.  
*Carex lagopina*, Wahl.  
*Sphaerella Tassiana*, De Not.  
*Trochila diminuens*, Karst.  
*Carex livida*, Willd.  
*Ustilago Caricis*, (P.) Fckl.  
*Carex Magellanica*, Lam.  
*Puccinia Striola*, Lk.  
*Ustilago urceolorum*, Tul.  
*Carex marcida*, Boott.  
*Puccinia Caricis*, (Schum.) Reb.  
*Carex microglochin*, Wahl.  
*Leptosphaeria gigaspora*, Niessl.  
*Trochila ignobilis*, Karst.  
*Carex Nebraskensis*, Dav.  
*Puccinia Caricis*, (Schum.) Reb.  
*Carex misandra*, R. Br.  
*Lophodermium caricinum*, (Rob.) Duby.  
*Septoria punctoidea*, Karst.  
*Sphaerella Tassiana*, De Not.  
*Sphaerella Wichuriana*, Schrt.  
*Carex nardina*, Fr.  
*Pleospora discors*, (Dur. & Mont.) Ces. &  
 De Not.  
*Pleospora Elynae*, (Rabh.) Ces. & De Not.  
*Septoria punctoidea*, Karst.  
*Sphaerella Wichuriana*, Schrt.  
*Ustilago Caricis*, (P.) Fckl.  
*Carex obesa*, All., var. *minor*, Boott.  
*Phoma Caricis*, (Fr.) Sacc.  
*Pleospora Elynae*, (Rabh.) Ces. & De Not.  
*Pleospora heterospora*, De Not.  
*Sphaerella pusilla*, Awd.  
*Carex oligosperma*, Michx.  
*Ustilago urceolorum*, Tul.  
*Carex pedata*, Wahl.  
*Septoria punctoidea*, Karst.  
*Sphaerella saxatilis*, Schrt.  
*Carex Pennsylvanica*, Lam.  
*Phyllosticta Caricis*, (Fckl.) Sacc.  

$$\left\{ \begin{array}{l} \text{Sphaeria Caricis, Fr.} \\ \text{Dothidea Caricis, Fr.} \\ \text{Phyllachora Caricis, Sacc.} \end{array} \right.$$
  
*Puccinia Caricis*, (Schum.) Reb.  

$$\left\{ \begin{array}{l} \text{Geminella folicola, Schrt.} \\ \text{Urocystis pusilla, C. & P.} \\ \text{Geminella melanogramma, Magnus.} \\ \text{Schizonella melanogramma, (DC.) Schrt.} \end{array} \right.$$
  
*Sorosporium atrum*, Pk.  

$$\left\{ \begin{array}{l} \text{Uredo Caricis, P.} \\ \text{Caeoma Caricis, Lk.} \\ \text{Ustilago urceolorum, Tul.} \\ \text{Ustilago Caricis, Fckl.} \end{array} \right.$$
  
*Carex pilulifera*, L.  
*Trochila ignobilis*, Karst.  
*Carex pratensis*, Drejer.  
*Sphaerella Wichuriana*, Schrt.  
*Carex rariflora*, Smith.  
*Cladosporium Graminum*, Cda.  
*Leptostroma caricinum*, Fr.  
*Sphaerella Wichuriana*, Schrt.  
*Trochila ignobilis*, Karst.  
*Carex rigida*, Gooden.  
*Entyloma caricinum*, Rostrup.  
*Leptostroma caricinum*, Fr.  
*Metaspheeria macrotheca*, Rostrup.  
*Sphaerella pusilla*, Awd.  
*Sphaerella Wichuriana*, Schrt.  
*Trochila ignobilis*, Karst.  
*Ustilago Caricis*, (P.) Fckl.  
*Carex riparia*, W. Curtis.  

$$\left\{ \begin{array}{l} \text{Clasterosporium caricinum, S.} \\ \text{Sporidesmium Closterisporium, Cda.} \end{array} \right.$$
  
*Carex rostrata*, With.  
*Trochila ignobilis*, Karst.  
*Carex rotundata*, Wahl.  
*Sphaerella Wichuriana*, Schrt.  
*Trochila diminuens*, Karst.  
*Carex rufina*, Drejer.  
*Trochila ignobilis*, Karst.  
*Carex rupestris*, All.  
*Cladosporium Graminum*, Cda.  
*Pleospora pentamera*, Karst.  
*Septoria punctoidea*, Karst.  
*Sphaerella Tassiana*, De Not.  
*Sphaerella Wichuriana*, Schrt.  
*Trochila diminuens*, Karst.  
*Ustilago Caricis*, (P.) Fckl.  
*Carex salina*, Wahl.  
*Lophodermium caricinum*, (Rob.) Duby.  
*Trochila ignobilis*, Karst.  
*Carex saxatilis*, L.  
*Leptosphaeria epicarecta*, (Cke.) Sacc.  
*Lophodermium caricinum*, (Rob.) Duby.  
*Mollisia cymbispora*, Rostrup.  
*Carex scirpoidea*, Michx.  
*Cladosporium Graminum*, Cda.  
*Pleospora Elynae*, (Rabh.) Ces. & De Not.  
*Sphaerella pusilla*, Awd.  
*Trochila fuscella*, Karst.  
*Ustilago Caricis*, (P.) Fckl.

*Carex scoparia*, Schkuhr.

- { Peziza cervinula, Cke.
- { Peziza multipuncta, Pk.
- { Pyrenopeziza multipuncta, Sacc.
- { Pyrenopeziza cervinula, Sacc.

*Carex siccata*, Dewey.*Carex stenophylla*, Wahl.

- { Ustilago urceolorum, Tul.
- { Ustilago Caricis, (P.) Fckl.

*Carex straminea*, Willd.

Puccinia Caricis, (Schum.) Reb.

*Carex stricta*, Lam.

Macrosporium transversum, Pk.

- { Puccinia Caricis, (Schum.) Reb.
- { Puccinia caricina, DC.
- { Uredo caricina, DC.
- { Puccinia Striola, Lk.
- { Puccinia Punctum, Lk.
- { Uromyces Caricis, Pk.
- { Puccinia Caricis-strictae, Dietel.

Ustilago urceolorum, Tul.

*Carex stricta*, Lam., var. *angustata*, Bailey.

Ascochyta teretiuscula, Sacc. &amp; Roum.

Phleospora Caricis, Ell. &amp; Ev.

*Carex stylosa*, C. A. Meyer.

Lophodermium caricinum, (Rob.) Duby.

Trochila ignobilis, Karst.

*Carex trichocarpa*, Muhl.

Puccinia caricina, DC.

*Carex trichocarpa*, Muhl., var. *Deweyi*,

Bailey.

Ustilago subinclusa, Körn.

*Carex umbellata*, Schkuhr.

Ustilago urceolorum, Tul.

*Carex utriculata*, Boott.

- { Helotium caricinellum, Pk.
- { Niptera caricinella, Sacc.

Puccinia Caricis, (Schum.) Reb.

Ustilago urceolorum, Tul.

*Carex varia*, Muhl.

Septoria lineolata, Sacc. &amp; Speg.

- { Sphaeria recutita, Fr.
- { Sphaerella recutita, Cke.
- { Uredo Caricis, P.
- { Ustilago Caricis, Fckl.

*Carex vulgaris*, Fr.

Trochila fuscella, Karst.

Trochila ignobilis, Karst.

Ustilago Caricis, (P.) Fckl.

*Carex vulgaris*, Fr., var. *hyperborea*,

Boott.

Leptosphaeria caricinella, Karst.

Lophodermium caricinum, (Rob.) Duby.

Metasphaeria macrotheca, Rostrup.

Mollisia cinerea, (Batsch) Karst.

Phoma Caricis, (Fr.) Sacc.

Septoria punctoidea, Karst.

Sphaerella Tassiana, De Not.

Sphaerella Wichuriana, Schrt.

Trochila fuscella, Karst.

Trochila ignobilis, Karst.

Ustilago Caricis, (P.) Fckl.

*Carex*, sp. indet.

Actidium caricinum, S.

Actinothyrium Graminis, Kze.

Amerosporium Caricum, (Lib.) Sacc.

Arthrinium caricicolum, Kze.

Chaetomium elatum, Kze.

Cladosporium nodulosum, Cda.

- { Cryptosporium Caricis, Cda.
- { Cryptomella Caricis, Sacc.

Cryptosporium nubilosum, Ell. &amp; Ev.

Cyphella caricina, Pk

Dinemasporium Graminum, Lev.

Epichloe typhina, (P.) Tul.

Epicoccum caricicolum, S.

- { Sphaeria Michotii, Westd.
- { Leptosphaeria Michotii, Sacc.

Leptostroma caricinum, Fr.

Leptostroma inundatorum, S.

- { Macrosporium caricinum, Fr.
- { Cometella caricina, Fr.

- { Sporocybe nigriceps, Pk.
- { Periconia nigriceps, Sacc.

Periconia opaca, Cke.

Peziza melatephra, Lasch.

Peziza Yogoensis, Ell. &amp; Gall.

Septoria carnea, Ell. &amp; Ev.

Sphaeria Scirporum, S.

*Cladium*, sp. indet.

Meliola amphitricha, Fr.

*Cyperus Baldwinii*, Torr.

- { Sphaeria canaliculata, S.
- { Dothidea canaliculata, B.
- { Phyllachora canaliculata, Sacc.

*Cyperus Grayii*, Torr.

- { Ustilago axicola, B., var.
- { Cintractia axicola, Cornu.

*Cyperus ovularis*, Torr., var. *cylindricus*, Torr.*Cyperus Schweinitzii*, Torr.

- { Puccinia Caricis, (Schum.) Reb.
- { Puccinia caricina, DC.
- { Puccinia Striola, Lk.

*Cyperus strigosus*, L.

Puccinia angustata, Pk.

*Dulichium spathaceum*, P.

- { Puccinia Caricis, (Schum.) Reb.
- { Puccinia Striola, Lk.

*Eleocharis intermedia*, Schult.

Puccinia Eleocharidis, Arth.

*Eleocharis palustris*, R. Br.

Epicoccum purpurascens, Ehrb.

Fusarium roseum, Lk.

Puccinia Eleocharidis, Arth.

*Eriophorum angustifolium*, Roth.  
 Mollisia cymbispora, Rostrup.  
 Mollisia junciseda, Karst.  
 Sphaerella perexigua, Karst.  
 Sphaerella Wieluriana, Schrt.  
 Trochila ignobilis, Karst.

*Eriophorum cyperinum*, L.  
 Cheiromyces stellatus, B. & C.  
 Puccinia angustata, Pk.  
 { Puccinia Caricis, (Schum.) Reb.  
 { Puccinia Striola, Lk.  
 { Puccinia Punctum, Lk.

*Eriophorum polystachyon*, L.  
 Puccinia angustata, Pk.

*Eriophorum Scheuchzeri*, Hoppe.  
 Mollisia cymbispora, Rostrup.

*Eriophorum Virginicum*, L.  
 Puccinia angustata, Pk.

*Fimbristylis autumnalis*, Roem. & Schult.  
 { Hendersonia trimera, Cke.  
 { Stagonospora trimera, Sacc.  
 { Ustilago axicola, B.?  
 { Ustilago Fimbristylis, Thm.

*Fuirena squarrosa*, Michx., var.  
 Puccinia Fuirenae, Cke.

*Kobresia caricina*, Willd.  
 Sphaerella pusilla, Awd.  
 Trochila ignobilis, Karst.  
 Ustilago Caricis, (P.) Fckl.

*Rhynchospora alba*, Vahl.  
 { Ustilago Montagnei, Tul.  
 { Ustilago Caricis, (P.) Fckl.

*Rhynchospora glomerata*, Vahl.  
 { Ustilago Montagnei, Tul., var. minor,  
 Desm.  
 { Ustilago Caricis, (P.) Fckl.

*Rhynchospora macrostachya*, Torr.  
 Amerosporium macrochaeta, Ell. & Ev.  
 { Testicularia Cyperi, Klotzsch.  
 { Milleria herbarica, Pk.

*Rhynchospora miliacea*, Gray.  
 Meliola amphitricha, Fr.

*Scirpus atrovirens*, Muhl.  
 Puccinia angustata, Pk.  
 Sphaeria scirpicola, DC.  
 Uromyces Scirpi, Burrill.

*Scirpus caespitosus*, L.  
 { Peziza scirpina, Pk.  
 { Mollisia scirpina, Sacc.  
 { Puccinia Scirpi, DC.  
 { Uredo scirpina, Westd.  
 Sphaerella Scirpi-lacustris, Awd.  
 Ustilago Caricis, (P.) Fckl.

*Scirpus capillaris*, L.  
 { Sphaeria gangraena, Fr.  
 { Dothidea gangraena, Fr.  
 { Phyllachora gangraena, Fckl.

*Scirpus fluviatilis* Gray.  
 { Cryptosporium Scirpi, Pk.  
 { Septoria Peckii, Sacc.  
 Pestalozzia primaria, Ell. & Ev.  
 Uromyces Scirpi, Burrill.

*Scirpus lacustris*, L.  
 Camptoum curvatum, (Kze.) Lk.  
 { Hypoderma scirpinum, DC.  
 { Hysterium scirpinum, Fr.  
 Naucoria scirpicola, Pk.  
 { Peziza luteodisca, Pk.  
 { Dasyscypha luteodisca, Sacc.  
 { Sphaeria herbarum, P.  
 { Pleospora herbarum, Rabh.  
 Puccinia obtecta, Pk.  
 Spilocaea Scirpi, Lk.  
 Uromyces Scirpi, Burrill.

*Scirpus maritimus*, L.  
 Epicoccum sphaerospermum, B. & C.  
 Macrosporium Scirpi, Lasch.  
 Pestalozzia scirpina, Ell. & Martin.  
 Septoria narvisiana, Sacc.

*Scirpus Olneyi*, Gray.  
 Pestalozzia scirpina, Ell. & Martin.

*Scirpus pungens*, Vahl.  
 Gibbera Saubinetii, Mont.  
 Puccinia obtecta, Pk.

*Scirpus sylvaticus*, L.  
 Puccinia angustata, Pk.

*Scirpus triquetus*, L.  
 Sphaeria Scirporum, S.  
 Uromyces Junci, var. Scirpi, Vize.

*Scirpus*, sp. indet.  
 Anthostoma mortuosum, (Ell.) Sacc.  
 Caeoma (Uredo) rimosum, Lk.  
 Camptoum cuspidatum, Cke. & Hark.  
 ?Dothidea Graminis, (P.) Fr.  
 Hendersonia scirpicola, Cke. & Hark.  
 Peziza apala, B. & Br.  
 Sporocybe nigriceps, Pk.  
 Tetraploa scabra, Hark.

## GRAMINEAE.

*Agropyrum divergens*, Nees.  
 Claviceps purpurea, (Fr.) Tul.  
 Puccinia Rubigo-vera, (DC.) Wint.

*Agropyrum glaucum*, Roem. & Schult.  
 Claviceps purpurea, (Fr.) Tul.  
 Erysiphe Graminis, DC.  
 Phyllachora Graminis, (P.) Fckl.  
 Puccinia coronata, Cda.  
 Puccinia Graminis, P.

*Agropyrum repens*, L.  
 Claviceps purpurea, (Fr.) Tul.  
 Oidium monilioides, Lk.  
 Puccinia Graminis, P.  
 Puccinia Rubigo-vera, (DC.) Wint.

*Pyrenophora relicina*, Fckl.  
*Tilletia striaeformis*, (Westd.) Wint.  
 { *Urocystis Agropyri*, (Preuss) Schrt.  
 { *Urocystis occulta*, (Wallr.) Rabh., var.  
 { *Triticici*, Farl.  
***Agropyrum violaceum*, Lange.**  
*Claviceps purpurea*, (Fr.) Tul.  
*Hendersonia Agropyri*, Rostrup.  
*Hendersonia crastophila*, Sacc.  
*Phoma graminis*, Westd.  
*Pleospora herbarum*, (P.) Rabh.  
*Pleospora pentamera*, Karst.  
*Puccinia graminis*, P.  
*Sphaerella Tassiana*, De Not.  
***Agrostis alba*, L., var. *vulgaris*, Thurb.**  
*Puccinia graminis*, P.  
*Tilletia striaeformis*, (Westd.) Wint.  
***Agrostis canina*, L.**  
*Laestadia graminicola*, Rostrup.  
*Lophodermium arundinaceum*, (Schrad.) Chev.  
*Sphaerella Tassiana*, De Not.  
***Agrostis exarata*, Trin.**  
*Erysiphe graminis*, DC.  
***Agrostis filiformis*, Vill.**  
 { *Sphaeria Agrostidis*, S.  
 { *Phyllachora graminis*, (P.) Fckl.  
***Agrostis scabra*, Willd.**  
*Claviceps (sclerotium)*, Sp.  
*Puccinia graminis*, P.  
***Agrostis stricta*, Willd.**  
*Sphaerella Tassiana*, De Not.  
***Aira alpina*, L.**  
 { *Leptopeziza Groenlandica*, Rostrup.  
 { *Durella Groenlandica*, Sacc.  
*Mollisia cinerea*, (Batsch) Karst.  
 { *Mollisia graminis*, Karst.  
 { *Pyrenopeziza Karstenii*, Sacc.  
*Phoma graminis*, Westd.  
*Pleospora Elynae*, (Rabh.) Ces. & De Not.  
*Pleospora herbarum*, (P.) Rabh.  
*Sphaerella ignobilis*, Awd.  
*Sphaerella Tassiana*, De Not.  
***Alopecurus alpinus*, L.**  
*Homostegia gangraena*, (Fr.) Wint.  
*Leptosphaeria culmorum*, Awd.  
*Sphaerella lineolata*, (Rob.) De Not.  
*Sphaerella pusilla*, Awd.  
*Sphaerella Wichuriana*, Schrt.  
***Alopecurus geniculatus*, L.**  
*Fuscladium Alopecuri*, Ell. & Ev.  
***Alopecurus geniculatus*, L., var. *aristulatus*, Munro.**  
*Scolecotrichum graminis*, Fckl.  
 { *Uromyces Dactylidis*, Otth.  
 { *Uromyces Alopecuri*, Seymour.

***Ammophila arundinacea*, Host.**  
 { *Hysterium gramineum*, M. & N.  
 { *Hysterium culmigenum*, var. *gramineum*,  
 { *Fr.*  
 { *Lophodermium arundinaceum*, (Schrad.) Chev. var. *gramineum*, Duby.  
 { *Pleospora infectoria*, Fckl.  
 { *Sphaeria infectoria*, Pk.  
*Tilletia striaeformis*, (Westd.) Wint.  
***Andropogon argyreus*, Schult.**  
*Ustilago Brunkii*, Ell. & Gall.  
***Andropogon furcatus*, Muhl.**  
*Asteroma graminis*, Westd. ?  
*Epichloe typhina*, (P.) Tul.  
 { *Peziza distincta*, Pk.  
 { *Trichopeziza distincta*, Sacc.  
 { *Caeoma (Uredo) Andropogi*, S.  
 { *Puccinia Andropogi*, S.  
 { *Puccinia Ellisiana*, Thm.  
 { *Sphaeria graminis*, P.  
 { *Sphaeria Andropogi*, S.  
 { *Sphaeria andropogicola*, S.  
*Dothidea graminis*, Fr.  
*Sphaeria luteomaculata*, S.  
*Phyllachora graminis*, Fckl.  
*Puccinia Phragmitis*, (Schum.) Körn.  
*Sorosporium Ellisii*, Wint., var. *provincialis*, Ell. & Gall.  
 { *Sorosporium Ellisii*, Wint., var. *occidentalis*, Seymour.  
 { *Ustilago Andropogonis*, Kell. & Swingle.  
***Andropogon Hallii*, Hackel.**  
*Puccinia Andropogi*, S.  
***Andropogon macrourus*, Michx.**  
 { *Peziza dinemasporoides*, Ell. & Ev.  
 { *Gorgoniceps dinemasporoides*, Sacc.  
***Andropogon muricatus*, Retz.**  
*Chaetostroma aterrimum*, (Cke.) Sacc.  
*Didymella Andropogonis*, Ell. & Ev.  
*Didymosphaeria Andropogonis*, Ell. & Langlois.  
*Haplosporella tingens*, Ell. & Langlois.  
*Langloisula spinosa*, Ell. & Ev.  
*Ophiobolus Medusae*, Ell. & Ev., var. *minor*, Ell. & Ev.  
***Andropogon scoparius*, Michx.**  
*Ellisiella caudata*, Sacc.  
 { *Peziza planodisca*, Pk. & Clinton.  
 { *Pezizella planodisca*, Sacc.  
*Phoma culmicola*, S.  
*Phyllachora graminis*, (P.) Fckl.  
 { *Puccinia Andropogi*, S.  
 { *Puccinia Ellisiana*, Thm.  
*Puccinia Baryi*, (B. & Br.) Wint.  
*Puccinia Phragmitis*, (Schum.) Körn.  
*Sphaeria nervisequia*, S.

*Andropogon Virginicus*, L.

- { Sphaeria mortuosa, Ell.
- { Anthostoma mortuosum, Sacc.
- { Xylosphaeria mortuosa, Cke.
- Aulographium culmigenum, Ell.
- { Fusisporium Andropogonis, Cke.
- { Fusarium Andropogonis, Cke.
- Puccinia Ellisiana, Thm.
- { Caeoma Syntherismae, S. Am. bor.
- { Uredo Syntherismae, Rav. Fung. Car.
- { Ustilago Syntherismae, Pk.
- { Ustilago Cesatii Fisch. Wald.
- { Sorosporium Ellisii, Wint.
- { Sorosporium Everhartii, Ell. & Gall.

*Andropogon*, sp. indet.

- { Sphaeria phaeosticta, B.
- { Anthostomella phaeosticta, Sacc.
- Chaetomella Andropogonis, C. & E.
- Chaetomium olivaceum, C. & E.
- { Gymnosporium Arundinis, Cda.
- { Coniosporium Arundinis, Sacc.
- Corticium graminicolum, Ell. & Ev.
- Dinemasporium minimum, C. & E.
- Gonytrichum fulvum, Ell.
- Helotium rhizogenum, Ell. & Ev.
- { Hypocreia atramentosa, B. & C.
- { Hypocrella atramentosa, Sacc.
- { Sphaeria culmicola, Fr.
- { Leptosphaeria culmicola, Karst.
- { Sphaeria latebrosa, Ellis.
- { Leptosphaeria latebrosa, Sacc.
- { Heptameria latebrosa, Cke.
- ? Lophiostoma implexum, Ell. & Ev.
- Patellaria aureococcinea, B. & C.
- { Patellaria clavata, Ell.
- { Lecanidion clavatum, Sacc.
- { Patellaria tuberculosa, Ell.
- { Lecanidion tuberculatum, Sacc.
- { Peziza aberrans, Pk.
- { Peziza Andropogonis, B. & C.
- Mollisia Andropogonis, Rehm.
- { Belonium Andropogonis, Sacc.
- { Belonium aberrans, Sacc.
- Peziza albotestacea, Desm.
- { Peziza atriella, Cke.
- { Mollisia atriella, Sacc.
- { Peziza Atropae. A. & S.
- { Peziza relicina, Fr.
- { Trichopeziza relicina, Fckl.
- { Peziza stenostoma, B. & C.
- { Mollisia stenostoma, Sacc.
- { Peziza vexata, De Not.
- { Peziza subgibbosa, Ell.
- { Belonium subgibbosum, Sacc.
- { Sphaeria phomatospora, B. & Br.
- { Phomatospora Berkeleyi, Sacc.
- Puccinia graminis, P. ?
- { Stictis arundinacea, P.
- { Schmitzomia arundinacea, Karst.
- { Stictis Sesleriae, N. A. F. 452

## ?Ustilago cylindrica, Pk.

Vermicularia velutina, B. & Rav.

*Arctagrostis latifolia*, Griseb.

- Laestadia graminicola, Rostrup.
- Leptosphaeria Rousseliana, (Desm.) Ces. & De Not.

Mollisia graminis, Karst.

Sphaerella Tassiana, De Not.

*Aristida basiramea*. Engelm.

Uromyces Aristidae, Ell. & Ev.

*Aristida dichotoma*, L.

- { Sphaeria Aristidae, S.
- { Dothidea Aristidae, Ell.
- { Phyllachora Aristidae, Sacc.
- Sorosporium Ellisii, Wint.

*Aristida purpurea*, Nutt.

Uromyces Aristidae, Ell. & Ev.

*Aristida Rusbyi*, Scribner.

- { Ustilago Aristidae, Pk.
- { Sorosporium consanguineum, Ell. & Ev.

*Aristida stricta*, Michx.

Dothidea Aristidae, (S.) Ell.

Hendersonia effusa, B. & C.

*Arrhenatherum avenaceum*, Beauv.

Ustilago segetum, (Bull.) Ditm.

*Arundinaria macrosperma*, Michx.

- { Dactylium crustaceum, S.
- { Acrothecium crustaceum, Sacc.
- { Sphaeria apiospora, Dur. & Mont.
- { Apiospora Montagnei, Sacc.

Asteroma Robergei, Desm., var.

Arundinariae, Sacc.

Aulographium Arundinariae, Cke.

Botrytis pallida, B. & C.

Cladosporium compactum, B. & C.

Caryospora Langloisii, Ell. & Ev.

Corticium pezizoideum, Ell. & Ev.

{ Sporodrum atropurpureum, B. & C.

{ Dematium atropurpureum, Sacc.

Dendryphium Arundinariae, Cke.

Diatrype consobrina, Mont.

Diatrype pustulans, Ell. & Ev.

{ Sphaeria combulliens, B. & C.

{ Didymella combulliens, Sacc.

{ Sphaeria eumorpha, B. & C.

{ Sphaerella eumorpha, Cke.

{ Didymella eumorpha, Sacc.

Dothidea graminis, (P.) Fr.

{ Epicoccum sphaerospermum, B. & C.

{ Epicoccum simplex, B. & C.

{ Gymnosporium gramineum, Ell. & Ev.

{ Coniosporium gramineum, Sacc.

Gymnosporium inquinans, B.

Helicoma Berkeleyi, M. A. Curtis.

{ Hypocrea tuberiformis, B. & Rav.

{ Dussiella tuberiformis, Patouillard.

Hypoxylon culmorum, Cke.

*Hypoxyton perforatum*, (S.) Fr.  
 { *Sphaeria arundinacea*, Sow.  
 { *Sphaeria striaeformis*, var. *Arundinis*, A. & S.  
 { *Leptosphaeria arundinacea*, Sacc.  
 { *Heptameria arundinacea*, Cke.  
 { *Hysterium arundinaceum*, Schrad.  
 { *Lophodermium arundinaceum*, Chev.  
 { *Phoma erumpens*, B. & C.  
 { *Macrophoma erumpens*, Berl. & Vogl.  
 { *Stilbospora sphaerosperma*, P.  
 { *Melanconium sphaerospermum*, Lk.  
*Meliola tenuis*, B. & C.  
 { *Stigmata Arundinariae*, Cke.  
 { *Metaspermia* ? *Arundinariae*, Sacc.  
*Myxotrichum simile*, B. & C.  
 { *Peziza Arundinariae*, B. & C. p. p.  
 { *Peziza cannea*, B.  
 { *Dasyscypha Arundinariae*, Sacc.  
 { *Peziza Arundinariae*, B. & C. p. p.  
 { *Peziza eustegiaeformis*, B. & C.  
 { *Pyrenopeziza Arundinariae*, Sacc.  
 { *Belonium* ? *eustegiaeforme*, Sacc.  
 { *Peziza caulincola*, Fr.  
 { *Dasyscypha caulincola*, Sacc.  
*Physalospora conica*, Ell. & Ev.  
*Puccinia Arundinariae*, S.  
*Stigmata sclerotoidea*, Cke.  
*Ustilago hypodytes*, (Schl.) Fr.

**Arundo Donax**, L.  
*Leptostroma Donacis*, S.  
*Monilia sparsa*, Lk.

**Asprella Hystrix**, Willd.  
*Phyllachora graminis*, (P.) Fckl.  
*Puccinia apocrypta*, Ell. & Tracy.

**Avena elatior**, L.  
*Cintractia Avenae*, Ell. & Tracy.

**Avena sativa**, L.  
*Fusicladium destruens*, Pk.  
*Puccinia coronata*, Cda.  
*Puccinia graminis*, P.  
*Puccinia Rubigo-vera*, (D.C.) Wint.  
 { *Caeoma segetum*, (Bull.) Lk. p. p.  
 { *Uredo segetum*, P. p. p.  
 { *Ustilago segetum*, Ditm. p. p.  
 { *Ustilago Carbo*, Aud. p. p.  
 { *Ustilago Avenae*, (P.) Jensen.  
*Ustilago Avenae*, (P.) Jensen, var. *levis*, Kell. & Swingle.

**Avena**, sp. indet.  
*Erysiphe graminis*, DC.  
*Helminthosporium avenaceum*, M. A. Curtis.

**Bambusa**, sp. indet.  
*Cladosporium graminum*, Cda.  
*Diplodia Bambusae*, Ell. & Langlois.  
*? Graphiola Phoenicis*, Poit.  
*Gymnosporium Bambusae*, Thm.  
*Macrosporium graminum*, Cke.  
*Torula graminis*, Desm.

*Beckmannia erucaeformis*, Host.  
*Erysiphe Graminis*, DC.  
*Bouteloua hirsuta*, Lag.  
 { *Puccinia vexans*, Farl.  
 { *Uredo Boutelouae*, Arth.

*Bouteloua oligostachya*, Torr.  
*Epichloe typhina*, (P.) Tul.  
*Puccinia graminis*, P.  
*Puccinia vexans*, Farl.  
*Ustilago Boutelouae*, Kell. & Swingle.

*Bouteloua racemosa*, Lag.  
 { *Uromyces Brandegei*, Pk.  
 { *Puccinia vexans*, Farl.  
 { *Uredo Boutelouae*, Arth.

*Brachyelytrum aristatum*, Beauv.  
 { *Sphaeria typhina*, P.  
 { *Dothidea typhina*, Fr.  
 { *Epichloe typhina*, Tul.  
 { *Sphaeria graminis*, P.  
 { *Phyllachora graminis*, Fckl.

*Briza maxima*, L.  
*Puccinia graminis*, P.

*Bromus ciliatus*, L.  
 { *Pleospora infectoria*, Fckl.  
 { *Pleospora vulgaris*, Niessl.  
 { *Puccinia tomipara*, Trelease.  
 { *Rostrupia tomipara*, Lagerheim.  
*Urocystis Agropyri*, (Preuss) Schrt.  
*Ustilago bromivora*, Fisch. Wald., var. *macrospora*, Farl.

*Bromus secalinus*, L.  
*Phoma graminella*, Sacc?

*Buchloe dactyloides*, Engelm.  
*Cercospora seminalis*, Ell. & Ev.  
*Fusarium graminum*, Cda.  
*Tilletia buchloeana*, Kell. & Swingle.  
*Ustilago Buchloes*, Ell. & Tracy.

*Calamagrostis Canadensis*, Beauv.  
*Acrospermum graminum*, Lib.  
*Claviceps (sclerotium)*, Sp.  
*Epichloe typhina*, (P.) Tul.  
*Hadiotrichium lineare*, Pk.  
 { *Peziza agrostina*, Pk.  
 { *Trichopeziza agrostina*, Sacc.  
*Pilidium graminicolum*, Pk.  
*Puccinia graminis*, P.  
 { *Puccinia linearis*, Pk.  
 { *Puccinia striatula*, Pk.  
 { *Puccinia Baryi*, (B. & Br.) Wint.

*Calamagrostis Groenlandica*, Kunth.  
*Claviceps purpurea*, (Fr.) Tul.

*Calamagrostis lanceolata*, Roth.  
*Pleospora vagans*, Niessl.

*Calamagrostis Lapponica*, Trin.  
*Mollisia graminis*, Karst.  
*Puccinia Rubigo-vera*, (D.C.) Wint.

*Calamagrostis longifolia*, Hook.  
 Niptera Ellisii, N. A. F. 2329  
 { Peziza clavigera, Ell. & Ev.  
 { Mollisia clavigera, Sacc.  
 Puccinia graminis, P.

*Calamagrostis phragmitoides*, Hartm.  
 Hendersonia erastophila, Sacc.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 Septoria nebulosa, Rostrup.  
 Sphaerella Tassiana, De Not.

*Calamagrostis Pickeringii*, Gray.  
 { Ustilago Salveii, B. & Br.  
 { Tilletia striaeformis, (Westd.) Wint.

*Calamagrostis purpurascens*, Br.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 Physalospora leptosperma, Rostrup.

*Calamagrostis stricta*, Trin.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 Septoria nebulosa, Rostrup.

*Cenchrus tribuloides*, L.  
 { Ustilago Syntherismae, (S.) Pk.  
 { Ustilago Cesatii, Fisch. Wald.

*Chloris petraea*, Thunb.  
 Cercospora caespitosa, Ell. & Ev.

*Chrysopogon nutans*, Benth.  
 Caeoma (Uredo) Andropogi, S.  
 Colletotrichum lineola, Cda. var. pachyspora,  
 Ell. & Kell.  
 Ellisiella caudata, Sacc.  
 Everhartia hymenuloides, Sacc. & Ell.  
 { Peziza hydrophila, Karst.  
 { Mollisia hydrophila, Karst.  
 { Niptera hydrophila, Sacc.

*Chrysopogon nutans*, Benth. var.  
 avenaceus, Gray.  
 { Patellaria leucochaete, Ell. & Ev.  
 { Scutularia leucochaete, Sacc.  
 { Dothidea culmicola, S.  
 { Phyllachora culmicola, Sacc.  
 Puccinia graminis, P.  
 Vermicularia punctans, S.

*Cinna arundinacea*, L.  
 Acrospermum compressum, Tode.  
 Puccinia coronata, Cda.

*Ctenium Americanum*, Spreng.  
 Puccinia Campulosi, Thm.

*Cynodon Dactylon*, P.  
 Dimerosporium erysiphoides, Ell. & Ev.

*Dactylis glomerata*, L.  
 Epichloe typhina, (P.) Tul.  
 Phyllachora Graminis, (P.) Fckl.  
 Puccinia coronata, Cda.  
 Scolecotrichum graminis, Fckl.

*Dactyloctenium Aegypticum*, Willd.  
 Ustilago destruens, Schl.

*Danthonia spicata*, Beauv.  
 Ustilago segetum, (Bull.) Ditm.

*Deschampsia atropurpurea*, Scheele.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 Mollisia graminis, Karst.

*Deschampsia caespitosa*, Beauv.  
 Tilletia cerebrina, Ell. & Ev.

*Deschampsia flexuosa*, Trin.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 Sphaerella Tassiana, De Not.

*Distichlis maritima*, Raf.  
 Phyllachora Tracyi, Ell. & Ev.  
 Puccinia graminis, P.  
 Uromyces Peckianus, Farl.

*Dupontia Fischeri*, R. Br.  
 Septoria arctica, B. & C.

*Dupontia psilosantha*, Rupt.  
 Sphaerella Tassiana, De Not.

*Eatonia obtusata*, Gray.  
 Puccinia Rubigo-vera, (DC.) Wint.

*Eatonia Pennsylvanica*, Gray.  
 Puccinia Rubigo-vera, (DC.) Wint.

*Eleusine Indica*, Gaertn.  
 { Helminthosporium nodosum, B. & C.  
 { Helminthosporium nodulosum, Sacc.  
 Myrothecium roridum, Tode. .

*Elymus arenarius*, L.  
 Cladosporium graminum, Cda.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 Mollisia graminis, Karst.  
 Pleospora vagans, Niessl.

*Elymus Canadensis*, L.  
 Claviceps purpurea, (Fr.) Tul.  
 Phyllachora graminis, (P.) Fckl.  
 Puccinia graminis, P.  
 Puccinia Rubigo-vera, (DC.) Wint.  
 Urocystis Agropyri, (Preuss) Schrt.  
 Urocystis occulta, (Wallr.) Rabh.  
 Ustilago hypodytes, (Schl.) Fr.

*Elymus Canadensis*, L., var.  
 glaucifolius, Gray.  
 Tilletia striaeformis, (Westd.). Wint.

*Elymus condensatus*, Presl.  
 Claviceps purpurea, (Fr.) Tul.  
 Erysiphe graminis, DC.  
 Puccinia Rubigo-vera, (DC.) Wint.

*Elymus mollis*, Trin.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.  
 { Puccinia triarticulata, B. & C.  
 { Rostrupia Elymi, (Westd.) Lagerheim.

*Elymus striatus*, Willd.  
 Acrospermum graminum, Lib.

***Elymus Virginicus*, L.**  
 Claviceps purpurea, (Fr.) Tul.  
 { Sphaeria graminis, P.  
 { Phyllachora graminis, Fckl.  
 Puccinia Rubigo-vera, (DC.) Wint.  
 Septoria Bromi, Sacc.  
 Uromyces graminicola, Burrill.

***Elymus*, sp. indet.**  
 { Pleospora planispora, Ell.  
 { Clathrospora planispora, Berl.  
 Epichloe typhina, (P.) Tul.

***Eragrostis capillaris*, Nees.**  
 { Dothidea vorax, B. & C.  
 { Dothidea atramentaria, B. & C.

***Eragrostis major*, Host.**  
 Helminthosporium hadotrichoides, Ell. & Ev.  
 Ustilago spermophora, B. & C.

***Eragrostis pectinacea*, Gray.**  
 Puccinia emaculata, S.

***Erianthus saccharoides*, Michx.**  
 Cladosporium Erianthi, Thm.

***Erianthus alopecuroides*, Ell.**  
 { Sphaeria orthogramma, B. & C.  
 { Leptosphaeria orthogramma, Sacc.  
 { Heptameria orthogramma, Cke.

***Erianthus*, sp. indet.**  
 Dothidea graminis, (P.) Fr.

***Euchlaena luxurians*, Dur. & Asch.**  
 Ustilago Zeae-Mays, (DC.) Wint.

***Eulalia aponica*, Trin.**  
 Coccularia graminis, Cke.

***Festuca microstachya*, Nutt.**  
 Tilletia fusca, Ell. & Ev.

***Festuca ovina*, L.**  
 Cladosporium graminum, Cda.  
 Lophodermium arundinaceum, (Schrad.) Chev.

Pleospora pentamera, Karst.  
 Sphaerella Tassiana, De Not.  
 Uromyces Dactylidis, Otth.

***Festuca rubra*, L.**  
 Lophodermium arundinaceum, (Schrad.) Chev.  
 Sphaerella pusilla, Awd.

***Festuca tenella*, Willd.**  
 { Peziza denigrata, (J. Kunze) Ell.  
 { Pyrenopeziza denigrata, Rehm.  
 Septoria tenella, C. & E.

***Festuca*, sp. indet.**  
 Hendersonia trimera, Cke.

***Glyceria arctica*, Hook.**  
 Leptostroma marginatum, S.

***Glyceria arundinacea*, Kunth.**  
 Ustilago longissima, (Sow.) Tul.

***Glyceria fluitans*, R. Br.**  
 Claviceps purpurea, (Fr.) Tul.

***Glyceria nervata*, Trin.**  
 Claviceps (sclerotium).  
 Epichloe typhina, (P.) Tul.  
 Erysiphe graminis, DC.

***Glyceria vaginata*, Lange.**  
 Cladosporium graminum, Cda.

***Glyceria Vahliana*, Fr.**  
 Lophodermium arundinaceum, (Schrad.) Chev.

***Glyceria vilvoidea*, Fr.**  
 Lophodermium arundinaceum, (Schrad.) Chev.

Septoria Arundinis, (Mont.) Sacc.  
 Sphaerella Tassiana, De Not.

***Gynerium argenteum*, Nees.**  
 { Psilonia aterrima, Cke.  
 { Chaetostroma? aterrima, Sacc.  
 Fusarium Gynerii, Cke. & Hark.  
 { Gymnosporium Arundinis, Cda.  
 { Ustilago Gynerii, Vize.  
 Helminthosporium parvulum, Cke.  
 Isaria repens, Cke.  
 Mystrosporium consors, Thm.  
 { Coniothyrium lineare, Thm.  
 { Phoma linearis, Sacc.  
 Sphaeria apiospora, Dur. & Mont.  
 Torula fusoidea, Cke. & Hark.

***Hierochloa alpina*, Roem. & Schultes.**  
 Lophodermium arundinaceum, (Schrad.) Chev.

Pleospora macrospora, Schrt.  
 Sphaerella Tassiana, De Not.

***Hilaria Jamesii*, Benth.**  
 Ustilago Hilariae, Ell. & Tracy.

***Hordeum jubatum*, L.**  
 Claviceps purpurea, (Fr.) Tul.  
 Erysiphe graminis, DC.  
 Puccinia graminis, P.  
 { Uredo Rubigo, Auct.  
 { Puccinia Rubigo-vera, (DC.) Wint.  
 Ustilago segetum, (Bull.) Ditm.

***Hordeum pratense*, Huds.**  
 Puccinia graminis, P.  
 Puccinia Rubigo-vera, (DC.) Wint.

***Hordeum vulgare*, L.**  
 { Uredo segetum, (Bull.) P. p.p.  
 { Ustilago segetum, Ditm. p.p.  
 { Ustilago Carbo, Auct. p.p.  
 { Ustilago Hordei, (P.) Kell. & Swingle.  
 { Ustilago segetum, (Bull.) Ditm. p.p.  
 { Ustilago Carbo, Auct. p.p.  
 { Ustilago nuda, (Jensen) Kell. & Swingle.

***Hordeum*, sp. indet.**  
 Fusarium incarnatum, (Rob.) Sacc.

***Koeleria cristata*, P.**  
 Claviceps purpurea, (Fr.) Tul.

Puccinia Rubigo-vera, (DC.) Wint.

*Koehleria subspicata*, Rehb.

Lophodermium arundinaceum, (Schrad.) Chev.

*Leersia oryzoides*, Swz.

- { Dactylium graminum, S.
- { Dactylaria graminum, Sacc.

Phyllachora graminis, (P.) Fckl.

Piricularia grisea, (Cke.) Sacc.

Sphaerella Leersiae, Pass.

Tilletia Corona, Scribner.

*Leersia Virginica*, Willd.

Phyllachora graminis, (P.) Fckl.

Piricularia grisea, (Cke.) Sacc.

Tilletia Corona, Scribner.

- { Uromyces digitatus, Halsted.
- { Uromyces Halstedii, De Toni.

*Milium*, sp. indet.

- { Sphaeria rubella, P.
- { Ophiobolus porphyrogonus, (Tode) Sacc.

*Muhlenbergia glomerata*, Trin.

Phyllachora graminis, (P.) Fckl.

- { Trichothecium griseum, Cke.
- { Piricularia grisea, Sacc.

Puccinia graminis, P.

Puccinia Windsoriae, S.

Ustilago Montaniensis, Ell. & Holw.

*Muhlenbergia Mexicana*, Trin.

Phyllachora graminis, (P.) Fckl.

Puccinia graminis, P.

Puccinia Windsoriae, S.

- ? Sphaerella Muhlenbergiae, Ell.

*Muhlenbergia*, sp. indet.

- { Dothidea Muhlenbergiae, Ell.
- { Phyllachora Muhlenbergiae, Sacc.

*Nardus stricta*, L.

Leptosphaeria Nardi, (Fr.) Ces. & De Not.

Lophodermium arundinaceum, (Schrad.) Chev.

Sphaerella pusilla, Awd.

Trochila exigua, Rostrup.

*Oryza sativa*, L.

Phoma glumarum, Ell. & Tracy.

*Oryzopsis melanocarpa*, Muhl.

Septoria graminum, Desm.

*Panicum agrostoides*, Muhl.

- { Dothidea vorax, B. & C.
- { Epichloe Hypoxylon, Pk.
- { Ophiodesmus vorax, Sacc.
- { Euryachora vorax, Cke.
- { Hypocrea Hypoxylon, (Pk.) Ell. & Ev.
- { Ustilago Syntherismae (S.) Peck.
- { Ustilago destruens, Auct. Amer. p.p.
- { Ustilago Panici-Miliacei, Auct. Amer. p.p.

*Panicum brizanthum*, Hocket.

Phyllachora stenostoma, Ell. & Tracy.

*Panicum capillare*, L.

- { Puccinia emaculata, S.
- { Puccinia graminis, P., var. brevicarpa, Pk.
- { Caeoma Syntherismae S. Am. bor.
- { Uredo Syntherismae, Rav. Fung. Car.
- { Ustilago Syntherismae, Pk.
- { Ustilago Cesatii, Fisch. Wald.
- { Ustilago destruens, Auct. Amer. p.p. nec. Schl.
- { Ustilago Panici-Miliacei, Auct. Amer. p.p.
- { Sorosporium Ellisii, Wint.
- { Sorosporium Syntherismae, Farlow.

*Panicum Crus-galli*, L.

Puccinia flaccida, B. & Br.

- { Sorosporium bullatum, Schrt.
- { Tolyposporium bullatum, Schrt.

Sphaerella Crus-galli, Ell. & Kell.

Ustilago sphaerogena, Burrill.

*Panicum Curtissii*, Chapm.

Metaspshaeria punctulata, Ell. & Ev.

Sphaeria (Metaspshaeria) stenotheca, Ell. & Ev.

Venturia erysiphoides, Ell. & Ev.

*Panicum dichotomum*, L.

- { Sphaeria Panici, S.
- { Sphaeria Punctum, S.
- { Dothidea graminis, (P.) Fr.
- { Phyllachora graminis, Fckl.

Piricularia grisea, (Cke.) Sacc.

*Panicum divaricatum*, L.

Phyllachora graminis, (P.) Fckl.

*Panicum glabrum*, Gaudin.

- ? { Ustilago Rabenhorstiana, Kühn.
- ? { Ustilago destruens, Auct. Amer. p.p.

*Panicum latifolium*, L.

Phyllachora graminis, (P.) Fckl.

*Panicum miliaceum*, L.

- { Ustilago destruens, Auct. Amer. p.p.
- { Ustilago Panici-miliacei, Auct. Amer. p.p.
- { Sorosporium Syntherismae, (S.) Farlow.

*Panicum proliferum*, Lam.

Vermicularia discoidea, Ell. & Langlois.

*Panicum sanguinale*, L.

- { Trichothecium griseum, Cke.
- { Piricularia grisea, Sacc.

Septoria graminum, Desm.

Ustilago diplospora, Ell. & Ev.

Ustilago Rabenhorstiana, Kühn.

- { Caeoma (Uredo) Syntherismae, S.
- { Ustilago Syntherismae, Pk.
- { Ustilago Cesatii, Fisch. Wald.

*Panicum virgatum*, L.

Puccinia emaculata, S.

Uromyces graminicola, Burrill.

- { Ustilago Maclagani, B. ?
- { Ustilago rotundata, Arth.
- { Tilletia rotundata, Ell. & Ev.

*Panicum*, sp. indet.

Conoplea hispidula, P.

{ *Sphaeria culmifraga*, Fr.  
 { *Leptosphaeria culmifraga*, Ces. & De Not.  
 { *Sphaerella Panicum*, Cke.  
 { *Metasphaeria Panicorum*, Sacc.  
 { *Sphaeria rubella*, P.  
 { *Ophiobolus porphyrogonus*, (Tode) Sacc.  
 { *Dothidea Panici*, S.  
 { *Asteroma Panici*, M. A. Curtis.  
 { *Phyllachora Panici*, Sacc.  
*Septoria graminum*, Desm.  
*Vermicularia sanguinea*, Ell. & Halsted.  
*Volutella Ellisii*, Langlois.  
***Paspalum ciliatum***, H.B.K.  
 { *Sclerotium Paspali*, S.  
 { *Spermoedia Paspali*, Fr.  
 { *Sphaelia Paspali*, Borneo.  
***Paspalum digitatum***, Kunth.  
*Fusarium heterosporum*, Nees.  
***Paspalum laeve***, Michx.  
*Spermoedia Paspali*, (S.) Fr.  
***Paspalum platycaule***, Poir.  
 { *Cerebella Paspali*, Cke. & Massee.  
 { *Langloisia tremelloides*, Ell. & Ev.  
***Paspalum setaceum***, Michx.  
*Trichothecium griseum*, Cke., var.  
*leptospermum*, Ell. & Kell.  
***Paspalum setaceum***, Michx., var.  
*dasyphyllum*, Vasey.  
*Phyllachora graminis*, (P.) Fckl.  
***Paspalum***, sp. indet.  
 ?*Leptostroma Spiraeae*, Fr.  
***Phalaris arundinacea***, L.  
*Claviceps purpurea*, (Fr.) Tul.  
*Puccinia coronata*, Cda.  
*Puccinia striatula*, Pk.  
*Ustilago echinata*, Schrt.  
***Phalaris Canariensis***, L.  
*Cladosporium velutinum*, Ell. & Tracy.  
***Phippsia algida***, R. Br.  
*Leptosphaeria algida*, Rostrup.  
*Mollisia graminis*, Karst.  
*Pleospora herbarum*, (P.) Rabh.  
*Sphaerella Tassiana*, De Not.  
***Phleum alpinum***, L.  
*Scolecotrichum graminis*, Fckl.  
*Sphaerella pusilla*, Awd.  
*Sphaerella Tassiana*, De Not.  
***Phleum pratense***, L.  
*Epichloe typhina*, (P.) Tul.  
 { *Lophodermium arundinaceum*, (Schrad.)  
     Chev., var. *gramineum*, Duby.  
 { *Hysterium arundinaceum*, Schrad., var.  
     *gramineum*, C. & E.  
 { *Sphaeria (Physalospora) oxyspora*, Ell. &  
     Sacc. in N. A. F.  
 { *Physalospora ? oxystoma*, Sacc. & Ell.  
     *Laestadia oxyspora*, Cke.  
*Puccinia graminis*, P.  
 { *Ustilago Salveii*, B. & Br.  
 { *Tilletia DeBaryana*, Fisch. Wald.  
 { *Tilletia striaeformis*, (Westd.) Wint.  
*Vermicularia culmigena*, Desm.  
***Phragmites communis***, Trin.  
*Claviceps microcephala*, (Wallr.) Tul.  
 { *Gymnosporium Arundinis*, Cda.  
 { *Coniosporium Arundinis*, Sacc.  
 { *Leptosphaeria claviciparpa*, Ell. & Ev.  
 { *Heptameria claviciparpa*, Cke.  
*Lophodermium arundinaceum*, (Schrad.)  
     Chev.  
*Napichladium arundinaceum*, (Cda.) Sacc.  
*Peziza albotestacea*, Desm.  
*Puccinia graminis*, P. ?  
 { *Puccinia arundinacea*, Hedw.  
 { *Puccinia Arundinariae*, S.  
 { *Puccinia Phragmitis*, (Schum.) Körn.  
 { *Hysterium clavisporum*, C. & P.  
 { *Dothidea clavispora*, Pk.  
 { *Rhopographus clavisporus*, Sacc.  
*Scolecotrichum maculicolum*, Ell. & Kell.  
***Poa abbreviata***, R. Br.  
*Pleospora pentamera*, Karst.  
***Poa alpina***, L.  
*Lophodermium arundinaceum*, (Schrad.)  
     Chev.  
 { *Mollisia graminis*, Karst.  
 { *Pyrenopeziza Karstenii*, Sacc.  
*Sphaerella Tassiana*, De Not.  
*Uromyces Dactylidis*, Otth.  
***Poa annua***, L.  
*Septoria graminum*, Desm.  
***Poa caesia***, Smith.  
*Sphaeria arctica*, Fckl.  
*Leptosphaeria culmorum*, Awd.  
*Lophodermium arundinaceum*, (Schrad.)  
     Chev.  
*Mollisia graminis*, Karst.  
*Pleospora pentamera*, Karst.  
*Septoria nebulosa*, Rostrup.  
*Sphaerella Tassiana*, De Not.  
***Poa compressa***, L.  
*Claviceps (sclerotium)*.  
***Poa flexuosa***, Muhl.  
*Leptosphaeria culmorum*, Awd.  
*Lophodermium arundinaceum*, (Schrad.)  
     Chev.  
*Mollisia graminis*, Karst.  
*Sphaerella Tassiana*, De Not.

*Poa pratensis*, L.

Epichloe typhina, (P.) Tul.  
 Erysiphe graminis, DC.  
 Lophodermium arundinaceum, (Schrad.)  
 Chev.

Mollisia graminis, Karst.  
 ?Piricularia grisea, (Cke.) Sacc.  
 Puccinia graminis, P.  
 Sphaerella Tassiana, De Not.

*Poa tenuifolia*, Nutt.

Cladosporium graminum, Cda.  
 Erysiphe graminis, DC.

*Poa*, sp. indet.

Claviceps purpurea, (Fr.) Tul.  
 { Dothidea vorax, B. & C.  
 { Dothidea atramentaria, B. & C.  
 { Ophiodothis vorax, Sacc., var. atramentaria, Sacc.

Oidium monilioides, Lk.  
 Vermicularia denudata, S.

*Puccinellia maritima*, Parl.

Lophodermium arundinaceum, (Schrad.)  
 Chev.

*Saccharum officinarum*, L.

{ Sphaeropsis Sacchari, Cke  
 { Phoma Sacchari, Sacc.  
 { Macrophoma Sacchari, Berl. & Vogl.

*Schedonwardus Texanus*, Stend.

Puccinia Schedonnardi, Kell. & Swingle.

*Secale cereale*, L.

Ceuthospora phaeocomes, (Reb.) S.  
 Cladosporium compactum, B. & C.

{ Selerotium Clavus, DC.  
 { Cordyceps purpurea, Fr.  
 { Claviceps purpurea, Tul.

Fusarium heterosporum, Nees.

Gibberella Saubinetii, (Mont.) Sacc.

Puccinia graminis, P.

{ Uredo Rubigo-vera, DC.  
 { Caeoma Rubigo, Lk.  
 { Trichobasis Rubigo, Lev.  
 { Uredo Rubigo, Auct.  
 { Puccinia Rubigo-vera, (DC.) Wint.

Urocystis occulta, (Wallr.) Rabh.

*Secale*, sp. indet.

Marasmius graminum, (Lib.) B.

Pyrenophora sarcocystis, (B. & C.) Rav.  
 Fung. Am.

Pyrenophora trichostoma, (Fr.) Sacc.

*Setaria glauca*, Beauv.

Piricularia grisea, (Cke.) Sacc.  
 { Ustilago destruens, Auct. Amer. p.p.  
 { Ustilago neglecta, Niessl.  
 { Ustilago Panici-glauci, (Wallr.) Wint.

*Setaria Italica*, Kunth.

{ Peronospora graminicola, Sacc.  
 { Sclerospora graminicola, Schrt.  
 Piricularia grisea, (Cke.) Sacc.

*Setaria viridis*, Beauv.

{ Peronospora graminicola, Sacc.  
 { Sclerospora graminicola, Schrt.  
 Septoria graminum, Desm.  
 Ustilago neglecta, Niessl.

*Setaria*, sp. indet.

Ustilago viridis, Ell. & Ev.

*Sorghum halapense*, P.

Cercospora Sorghi, Ell. & Ev.  
 Lophiostoma implexum, Ell. & Ev.  
 Puccinia graminis, P., var. Sorghi, Cke.

*Sorghum saccharatum*, P.

Cladosporium graminum, Lk., var. Sorghi,  
 Rav. Fung. Am.

Colletotrichum Lineola, Cda.  
 { Sphaeropsis Sacchari, Cke.  
 { Phoma Sacchari, Sacc.

Puccinia purpurea, Cke.

Ustilago Sorghi, (Lk.) Pass.

*Sorghum vulgare*, P.

Ustilago Reiliiana, Kühn.  
 Ustilago Sorghi, (Lk.) Pass.

*Sorghum*, sp. indet.

{ Excipula punctiformis, B.  
 { Amerosporium punctiforme, Sacc.

Epicoccum sphaerospermum, B. & C.  
 { Helminthosporium Sorghi, S.  
 { Helminthosporium Sorghi, Cke.  
 { Helminthosporium Cookei, Sacc.

{ Sphaeria sorghophila, Pk.  
 { Leptosphaeria sorghophila, Sacc.  
 { Heptameria sorghophila, Cke.

Macrosporium culmorum, Cke. & Hark.

Puccinia Sorghi, S.

{ Sporidesmium culmigenum, Cke  
 { Sirodesmium culmigenum, Sacc.

*Spartina cynosuroides*, Willd.

Ascochyta Spartinae, Trelease.

Claviceps purpurea, (Fr.) Tul.

{ Puccinia arundinacea, Hedw.  
 { Puccinia Arundinariae, S.  
 { Puccinia Phragmitis, (Schum.) Körn.

Sphaerella Spartinae, Ell. & Ev.

Uromyces acuminatus, Arth.

*Spartina glabra*, Muhl.

Uredo peridermiospora, Ell. & Tracy.

*Spartina gracilis*, Trin.

Puccinia Phragmitis, (Schum.) Körn.

Uromyces acuminatus, Arth.

*Spartina juncea*, Willd.

?Microthyrium microscopicum, Desm.  
 Uromyces Spartinae, Farl.

*Spartina polystachya*, Willd.

{ Didymosphaeria pardalina, Ell. & Ev.  
 { Didymosphaerella pardalina, Cke.

{ Dimerosporium Spartinae, Ell. & Ev.  
 { Meliola Spartinae, Berl. & Vogl.

Peziza atriella, Cke.

{ *Peziza heteromorpha*, Ell. & Ev.  
 { *Belonidium heteromorphum*, Sacc.  
 { *Puccinia arundinacea*, Hedw.  
 { *Puccinia Arundinariae*, S.  
***Spartina stricta***, Roth.  
 { *Uromyces Junci*, var. *Spartinae*, Farl.  
 { *Uromyces Spartinae*, Farl.  
***Spartina***, sp. indet.  
*Sphaeria* (*Leptosphaeria*) *Californica*, Cke. & Hark.  
 { *Leptosphaeria discors*, Sacc. & Ell.  
 { *Metasphaeria discors*, Sacc.  
 { *Sphaeria incarcera*ta, B. & C.  
 { *Leptosphaeria incarcera*ta, Sacc.  
 { *Heptameria incarcera*ta, Cke.  
 { *Leptosphaeria marina*, Ell. & Ev.  
 { *Heptameria marina*, Cke.  
 { *Leptosphaeria Spartinae*, Ell. & Ev.  
 { *Heptameria Spartinae*, Cke.  
 { *Leptosphaeria albopunctata*, (Westd.) Sacc.  
 { *Leptosphaeria sticta*, Ell. & Ev.  
 { *Heptameria sticta*, Cke.  
 { *Ophiobolus Medusa*, Ell. & Ev.  
 { *Raphidospora Medusae*, Cke.  
 { *Sclerotium Clavus*, DC.  
 { *Spermoedia Clavus*, Fr.  
***Sporobolus asper***, Kunth.  
*Puccinia graminis*, P.  
*Puccinia Sporoboli*, Arth.  
***Sporobolus asperifolius***, Thurb.  
*Phyllachora graminis*, (P.) Fckl.  
*Tilletia asperifolia*, Ell. & Ev.  
***Sporobolus cryptandrus***, Gray.  
*Puccinia Sporoboli*, Arth.  
***Sporobolus cuspidatus***, Torr.  
*Puccinia vexans*, Farl.  
***Sporobolus depauperatus***, Vasey.  
*Leptosphaeria Sporoboli*, Ell. & Gall.  
***Sporobolus gracillimus***, Vasey.  
 { *Tilletia montana*, Ell. & Ev.  
 { *Tilletia asperifolia*, Ell. & Ev.  
***Sporobolus heterolepis***, Gray.  
*Puccinia Sporoboli*, Arth.  
***Sporobolus Indicus***, R. Br.  
 { *Dactylium Helminthosporii*, Thm.  
 { *Trichothecium Helminthosporii*, Sacc.  
*Helminthosporium Ravenelii*, M. A. Curtis.  
***Sporobolus vaginaeflorus***, Vasey.  
*Puccinia Sporoboli*, Arth.  
*Ustilago Vilfae*, Wint.  
***Sporobolus***, sp. indet.  
*Uromyces simulans*, Pk.  
***Stipa comata***, Trin.  
*Puccinia Stipae*, Arth.  
 { *Ustilago hypodytes*, (Schl.) Fr.  
 { *Ustilago minima*, Arth.

***Stipa spartea***, Trin.  
*Puccinia Stipae*, Arth.  
 { *Ustilago hypodytes*, (Schl.), Fr.  
 { *Ustilago minima*, Arth.  
***Stipa viridula***, Trin.  
*Puccinia Stipae*, Arth.  
*Sorosporium granulosum*, Ell. & Tracy.  
***Triodia cuprea***, Jacq.  
*Puccinia emaculata*, S.  
*Puccinia Windsoriae*, S.  
***Tripsacum dactyloides***, L.  
*Claviceps purpurea*, (Fr.) Tul.  
 { *Spermoedia Tripsaci*, M. A. Curtis.  
 { *Sphaelicia Tripsaci*, Bornet.  
*Vermicularia culmigena*, Desm.  
***Trisetum subspicatum***, Beauv.  
*Cladosporium graminum*, Cda.  
*Lophodermium arundinaceum*, (Schrad.) Chev.  
*Pleospora herbarum*, (P.) Rabh.  
*Septoria graminum*, Desm.  
*Septoria nebulosa*, Rostrup.  
*Sphaerella Tassiana*, De Not.  
***Triticum vulgare***, L.  
*Claviceps purpurea*, (Fr.) Tul.  
*Erysiphe graminis*, DC.  
*Gibbera pulicaris*, Fr.  
 { *Dothidea glumarum*, B. & C.  
 { *Gibberella Saubinetii*, (Mont.) Sacc.  
*Hymenula glumarum*, Cke. & Hark.  
 { *Sphaeria trichostoma*, Fr.  
 { *Pyrenophora trichostoma*, Sacc.  
 { *Sphaeria sarococystis*, B. & C.  
 { *Pyrenophora sarcocystis*, Rav. Fung. Ann.  
 { *Pleospora sarcocystis*, Sacc.  
*Puccinia coronata*, Cda.  
 { *Uredo linearis*, P.  
 { *Caeoma lineare*, Schl.  
 { *Puccinia graminis*, P.  
 { *Trichobasis Rubigo-vera*, Lev.  
 { *Puccinia Rubigo-vera*, (DC.) Wint.  
 { *Septoria Tritici*, B. & C.  
 { *Septoria Curtisiana*, Sacc.  
 { *Ustilago foetens*, B. & C.  
 { *Tilletia laevis*, Kühn.  
 { *Tilletia foetens*, Trelease.  
 { *Uredo foetida*, Bauer.  
 { *Tilletia Caries*, (DC.) Tul.  
 { *Tilletia Tritici*, (Bjerk.) Wint.  
*Trichaegum culmorum*, Cke.  
 { *Uredo segetum*, (Bull.) P. p.p.  
 { *Ustilago segetum*, (Bull.) Ditm. p. p.  
 { *Ustilago Carbo*, Auct. p.p.  
 { *Ustilago Tritici*, (P.) Jensen.  
***Triticum***, sp. indet.  
 { *Chaetomium elatum*, Kze.  
 { *Chaetomium comatum*, (Tode) Fr.

- { *Sphaeria culmifraga*, Fr.
- { *Leptosphaeria culmifraga*, Ces. & De Not.
- { *Heptameria culmifraga*, Cke.
- Uniola gracilis*, Michx.
- Ustilago Uniolae*, Ell. & Ev.
- Uniola*, sp. indet.
  - { *Dothidea vorax*, B. & C.
  - { *Dothidea pilulaeformis*, B. & C.
  - { *Ophiodothis vorax*, Sacc., var. *pilulaeformis* Sacc.
- Zea Mays*, L.

PYRENOMYCETES.

- { *Sphaeria mortuosa*, Ell.
- { *Anthostoma mortuosum*, Sacc.
- { *Nectria Curtisii*, B.
- { *Calonectria Curtisii*, Sacc.
- { *Dialonectria Curtisii*, Cke.
- Chaetomium melioloides*, C. & P.
- Dialonectria gibberelloides*, Ell. & Ev.
- Diaporthe Kellermanniana*, Wint.
- Dinemasporium bicristatum*, Cke.
- { *Sphaeria pulicaris*, Fr.
- { *Gibbera pulicaris*, Fr.
- { *Nectria pulicaris*, Tul.
- { *Gibberella pulicaris*, Sacc.
- { *Sphaeria Zeae*, S.
- { *Dothidea Zeae*, S.
- { *Sphaeria Maydis*, B.
- { *Diplodia Zeae*, Lev.
- { *Diplodia Maydis*, Sacc.
- Sphaeria Saubinetii*, Mont.
- Gibbera Saubinetii*, Mont.
- Gibberella Saubinetii*, Sacc.
- { *Sphaeria ceratispora*, B. & C.
- { *Leptosphaeria ceratispora*, Sacc.
- { *Conisphaeria ceratispora*, Cke.
- { *Heptameria ceratispora*, Cke.
- { *Sphaeria interspersa*, Cke.
- { *Leptosphaeria interspersa*, Sacc.
- { *Heptameria interspersa*, Cke.
- { *Sphaeria orthogramma*, B. & C.
- { *Leptosphaeria orthogramma*, Sacc.
- { *Heptameria orthogramma*, Cke.
- Lophiostoma Arundinis*, (Fr.) Ces. & De Not.
- { *Sphaeria ceratotheca*, Cke.
- { *Metasphaeria ceratotheca*, Sacc.
- { *Leptosphaeria hyalospora*, Sacc.
- { *Sphaeria hyalospora*, N. A. F.
- { *Metasphaeria hyalospora*, Sacc.
- Perisporium Zeae*, B. & C.
- { *Dothidea nigrescens*, S.
- { *Phyllachora nigrescens*, Sacc.
- Physalospora zeicola*, Ell. & Ev.
- Pleospora rubicunda*, Niessl.
- Sphaerella paulula*, Cke.
- Sphaeria fissa*, P. ?
- Sphaeria striaeformis*, var. g., S.

## FUNGI IMPERFECTI.

*Aspergillus alutaceus*, B. & C.

- Cercospora Sorghi*, Ell. & Ev.
- Cladosporium herbarum*, (P.) Lk.
- Cladosporium herbarum*, (P.) Lk., var. *indutum*, Thm.
- Cladosporium tenuissimum*, Cke.
- { *Colletotrichum Lineola*, Cda.
- { *Psilonia apalospora*, B. & C.
- ? *Dactylium dendroides*, (Bull.) Fr.
- { *Vermicularia graminum*, Lib.
- { *Dinemasporium graminum*, Lev.
- Diplodia frumenti*, Ell. & Ev.
- Epicoccum neglectum*, Desm.
- Epicoccum sphaerospermum*, B. & C.
- { *Fusisporium cerealis*, Cke.
- { *Fusarium cerealis*, Sacc.
- Fusarium graminum*, Cda.
- { *Fusisporium rimosum*, Pk.
- { *Fusarium rimosum*, Sacc.
- Fusarium roseum*, Lk.
- Fusisporium aurantiacum*, Lk.
- Fusisporium graminum*, Ces.
- Fusisporium roseum*, Lk.
- Haplographium griseum*, Ell. & Langlois.
- Helicomyces mirabilis*, Pk.
- Helicosporium vegetum*, (Nees).
- Helminthosporium foliculatum*, Cda
- Helminthosporium inconspicuum*, C. & E.
- { *Hymenella haematococca*, B. & C.
- { *Hymenula haematococca*, Sacc.
- Illosporium pallidum*, Cke.
- Isariopsis subulata*, Ell. & Ev.
- Macrosporium culmorum*, Cke. & Hark.
- Macrosporium Maydis*, C. & E.
- Monilia Martinii*, Ell. & Sacc.
- Mystrosporium erectum*, Ell. & Ev.
- Penicillium armeniacum*, B.
- { *Sporocybe digitata*, Cke.
- { *Periconia digitata*, Sacc.
- Rhinotrichum cucumerinum*, B. & C.
- Septosporium praelongum*, Sacc.
- { *Sporidesmium tessarthra*, B. & C.
- { *Spegazzinia tessarthra*, Sacc.
- Sporotrichum flavissimum*, Lk?
- Sporotrichum fuliginosum*, P.
- Sporotrichum Himantiae*, S.
- Tetraploa Ellisii*, Cke.
- Trichosporium sphaericum*, Sacc.
- Tubercularia sarmentorum*, Fr.
- Vermicularia atramentaria*, B. & Br.
- Zygodesmus chlorochaites*, Ell.

## MISCELLANEA.

- { *Agaricus demetriacus*, B. & Mont.
- { *Entoloma demetriacum*, Sacc. Syll.
- Clavaria trichomorpha*, S.
- { *Patellaria imperfecta*, Ell.
- { *Karschia imperfecta*, Sacc.

- { *Puccinia Sorghi*, S.
- { *Puccinia Maydis*, Berenger.
- { *Uredo Zeae*, S. Syn. *Car.*
- { *Caeoma Zeae*, S. Am. bor.
- { *Ustilago Maydis*, (DC.) Cda.
- { *Ustilago Schweinitzii*, Tul.
- { *Ustilago Zeae*, (S.) Curt. Cat.
- { *Ustilago Zeae-Mays*, (DC.) Wint.

***Zizania aquatica*, L.**

- Claviceps* (sclerotium).
- { *Entyloma crastophilum*, Sacc.
- { *Ustilago lineata*, Cke.
- { *Sphaeria Zizaniae*, S.
- { *Sphaerella Zizaniae*, Ell. & Ev.

***Zizania*, sp. indet.**

- { *Arthrinium Sporophleum*, Kze.
- { *Sporophleum gramineum*, Lk.
- { *Sphaeria rimososa*, S. Herb.
- { *Sphaeria zizaniaecola*, B. & C.
- { *Leptosphaeria zizaniaecola*, Sacc.
- { *Heptameria zizaniaecola*, Cke.

*Leptostroma Zizaniae*, S.

- { *Sphaeria Arundinis*, Fr.
- { *Lophiostoma Arundinis*, Ces. & De Not.
- Puccinia Zizaniae*, S.
- Sphaeria sulcigena*, S.

***Gramineae*, sp. indet.**

## PYRENOMYCETES.

- Byssonectria rosella*, Cke. & Hark.
- Chaetomium elatum*, Kze.
- Chaetomium lanosum*, Pk.
- { *Sphaeria Nebraskae*, B. & C.
- { *Didymella Nebraskae*, Sacc.
- { *Dothidea vorax*, B. & C.
- Hypocrea atramentaria*, B. & C.
- Hypocrea atramentosa*, B. & C.
- Dothidea atramentaria*, B. & C.
- Dothidea pilulaeformis*, B. & C.
- Epichloe Hypoxylon*, Pk.
- Hypocrella Hypoxylon*, Sacc.
- Hypocrella atramentosa*, Sacc.
- Ophiodothis vorax*, Sacc.
- Ophiodothis vorax*, var. *atramentaria*. Sacc.
- Ophiodothis vorax*, var. *pilulaeformis*, Sacc.
- Euryachora vorax*, Cke.
- { *Hypocrea Hypoxylon*, Ell. & Ev.

*Ephelis borealis*, Ell. & Ev.*Erysiphe communis*, (Wallr.) Schl.?*Helotium album*, Schum.*Hypocrea subviridis*, B. & C.

- { *Sphaeria Beaumontii*, B. & C.
- { *Leptosphaeria Beaumontii*, Sacc.
- { *Heptameria Beaumontii*, Cke.

*Leptosphaeria culmifraga*, (Fr.) Ces. & De Not.

- { *Hysterium culmigenum*, Fr.
- { *Lophodemium culmigenum*, Karst.

- { *Sphaeria stictispora*, C. & E.
- { *Ophiobolus stictisporus*, Sacc.
- { *Raphidospora stictispora*, C. & E.
- Ophiobolus trichisporus*, Ell. & Ev.
- { *Dothidea delicatula*, S.
- { *Phyllachora delicatula*, Sacc.
- { *Leptosphaeria straminis*, Cke. & Hark.
- { *Pleospora Harknessii*, Berl. & Vogl.

*Pleospora laxa*, Ell. & Gall.*Pyrenophora relicina*, Fckl.*Sphaerella Californica*, Cke.

- { *Sphaeria coccineomaculata*, S.
- { *Sphaerella coccineomaculata*, S.

*Sphaerella perpusilla*, (Desm.) Sacc.*Sphaerella philochorta*, Cke.*Xylaria Clavulus*, B. & C.*Xylaria graminicola*, Gerard.

## FUNGI IMPERFECTI.

- { *Excipula leucotricha*, Pk.
- { *Amerosporium leucotrichum*, Sacc.
- Botryosporium pulchrum*, Cda.
- Cladosporium graminum*, Cda.
- Coelosporium fruticulosum*, Lk.
- Cryptosporium atrum*, Lk.
- Dinemasporium cruciferum*, Ell.
- Excipula hispidula*, (Schrad.) C. & E.
- Fusisporium foeni*, B. & Br.
- Gloeosporium graminicolum*, Ell. & Ev.
- ? *Helminthosporium septemseptatum*, Pk.
- Illosporium helicoideum*, Sacc. & Ell.
- Leptostroma cereale*, S.
- Macrosporium pinguedinis*, B.
- Myrothecium Verrucaria*, (A. & S.) Ditm.
- Mystrosporium Rubigo*, B. & C.
- Penicillium sparsum*, Lk.
- Vermicularia hispidula*, (Lk.) S.
- { *Sphaeria relicina*, Fr.
- { *Vermicularia relicinia*, Fr.
- Vermicularia straminis*, Cke. & Hark.
- Verticillium pyramidale*, Bon.
- Volutella Ellisii*, Langlois.

## MISCELLANEA.

- { *Peziza culmicola*, Desm.
- { *Phialea culmicola*, Gill.
- { *Peziza nigrocincta*, B. & C.
- { *Trichopeziza nigrocincta*, Sacc.
- { *Polyporus incrustans*, B. & C.
- { *Poria incrustans*, Cke.
- Thelephora caesia*, P.
- Thelephora cristata*, (P.) Fr.
- Thelephora sebacea*, P.
- Uromyces scaber*, Ell. & Ev.

## GYMNOSPERMAE.

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### CONIFERAE.

#### *Abietinaceæ.*

***Abies balsamea*, Mill.**

- { *Agaricus mitis*, P.
- { *Pleurotus mitis*, Quel.
- Agyrium rufum*, (P.) Fr.
- Asterina nuda*, Pk.
- Cenangium balsameum*, Pk.
- Cenangium ferruginosum*, Fr.
- { *Cenangium pityum*, B. & C.
- { *Scleroderris pitya*, Sacc.
- { *Nectria Cucurbitula*, Curr.
- { *Chilonectria Cucurbitula*, Sacc.
- { *Nectria balsamea*, C. & P.
- { *Chilonectria Rosellinii*, (Carest.) Sacc.
- Clitocybe sulfurea*, Pk.
- { *Peziza amorpha*, P.
- { *Thelephora amorpha*, Fr.
- Corticium amorphum*, Fr.
- { *Nodularia balsamicola*, Pk.
- { *Aleurodiscus amorphus*, Rabh.
- { *Peziza balsamicola*, Cke. nec. Pk.
- { *Corticium giganteum*, Fr.
- { *Peniophora gigantea*, Massee.
- Corticium sulfureum*, Fr.
- Corticium thelephoroides*, Ell. & Ev.
- Cryptosporium Noveboracense*, B. & C.
- Dermatea phyllophila*, Pk.
- { *Diplodia lignicola*, Pk.
- { *Diplodiella lignicola*, Sacc.
- { *Fusarium Berenice*, Herb. Curt.
- { *Fusisporium Berenice*, B. & C.
- { *Fusarium Berenice*, Sacc.
- Hirneola Auricula-Judae*, (L.) B.
- Hypoderma nervisequum*, DC.
- Lentinus strigosus*, (S.) Fr.
- Marasmius filipes*, Pk.
- Meliola balsamicola*, Pk.
- Merulius aureus*, Fr.
- Paxillus Curtisii*, B.
- Peridermium balsameum*, Pk.
- { *Aecidium elatinum*, A. & S.
- { *Peridermium elatinum*, Schm. & Kze.
- Pestalozzia ? campnosperma*, Pk.
- { *Peziza Agassizii*, B. & C.
- { *Dasyphypha Agassizii*, Sacc.
- { *Peziza balsamicola*, Pk.
- { *Tapesia balsamicola*, Sacc.

*Phacidium abietinum*, Schm.

- { *Didymium flavidum*, Pk.
- { *Physarum flavidum*, Pk.

*Polyporus abietinus*, (Dicks.) Fr., var.  
irpiciformis, Pk.

- { *Polyporus balsameus*, Pk.
- { *Polystictus balsameus*, Cke.

*Polyporus violaceus*, Fr.

- { *Polyporus volvatus*, Pk.
- { *Fomes volvatus*, Cke.

*Sacidium Pini*, (Cda.) Fr.

*Steganosporium cenangiooides*, Ell. & Rothrock.

*Stereum balsameum*, Pk.

- { *Stictis hysterina*, Fr.

{ *Xylogramma hysterinum*, Rehm.

- { *Peziza Pinastri*, P.
- { *Cenangium Pinastri*, Fr.

{ *Tympanis Pinastri*, Tul.

{ *Cenangiella Pinastri*, Sacc.

*Valsa Friesii*, (Duby) Fckl.

***Abies Fraseri*, Lindl.**

- { *Peziza crocea*, S.

{ *Phialea crocea*, Sacc.

*Trichosphaeria parasitica*, R. Hartig.

***Abies grandis*, Lindl.**

*Macrophoma parca*, Ell. & Ev.

***Abies*, sp. indet.**

### MYXOMYCETES.

*Trichia erecta*, Rex.

*Trichia subfuscata*, Rex.

### PYRENOMYCETES.

- { *Triblidium morbidum*, Pk.
- { *Colpoma morbidum*, Sacc.

- { *Cucurbitaria macilenta*, C. & E.
- { *Wallrothiella macilenta*, Sacc.

{ *Gibberidea macilenta*, C. & E.

*Hypocrea lenta*, (Tode) B.

*Hypoderma conigenum*, (P.) Sacc.

*Lophiostoma excipuliforme*, (Fr.) Ces. & De Not., var. *Abietis*, Ell. & Ev.

*Lophodermium Pinastri*, (Schrad.) Chev.

*Meliola fenestrata*, C. & E.

- { *Sphaeria acuum*, Cke. & Hark.

{ *Metasphaeria acuum*, Sacc.

{ *Sphaerulina acuum*, Cke.

- { *Sphaeria squamata*, C. & E.
- { *Metasphaeria squamata*, Sacc.
- { *Endophlaea squamata*, C. & E.
- { *Hysterium Pinastri*, Curt. in *Herb. Duby*.
- { *Aporia obscura*, Duby.
- { *Schizothyrium obscurum*, Sacc.

## FUNGI IMPERFECTI.

- Chalara acuaria*, C. & E.
- Diplodia megalospora*, B. & C.
- Eustilbum Rehmianum*, Rabh.
- Helicosporium ellipticum*, Pk.
- Helminthosporium obelavatum*, Sacc.
- Sphaeridium citrinum*, Sacc.
- ? *Sphaeropsis Pinastri*, C. & E.
- Sporidesmium pallidum*, B. & C.
- Streptothrix abietina*, Pk.
- Tubercularia nigricans*, (Bull.) DC.

## DISCOMYCETES.

- Helotium lutescens*, (Hedw.) Fr.
- Helotium subtile*, Fr.
- Mitrula cucullata*, Fr.
- { *Peziza acuum*, A. & S.
- { *Dasyphypha acuum*, Sacc.
- Peziza badia*, P.
- Peziza calycina*, Schum.
- { *Peziza fumosella*, C. & E.
- { *Phialea fumosella*, Sacc.
- Peziza hyalina*, P.
- Peziza lachnoderma*, B.
- { *Peziza nigripes*, P.
- { *Helotium nigripes*, Schum.?
- { *Peziza resinae*, Fr.
- { *Tromera resinae*, Körb.
- { *Peziza strobilina*, Fr.
- { *Phialea strobilina*, Sacc.
- { *Peziza subtilissima*, Cke.
- { *Dasyphypha subtilissima*, Sacc.
- Stictis fimbriata*, S.

## HYMENOMYCETES.

- { *Agaricus Austini*, Pk.
- { *Omphalia Austini*, Sacc. Syll.
- { *Agaricus Blakei*, B. & C.
- { *Pleurotus Blakei*, Sacc. Syll.
- Agaricus (Mycena) purpureofuscus*, Pk.
- Clavaria abietina*, P.
- Corticium chlorinum*, B. & C.
- Corticium cremoricolor*, B. & C.
- Corticium subincarnatum*, Pk.
- Dacryomyces chrysocomus*, (Bull.) Tul.
- Hydnus Auriscalpium*, L.
- Hymenochaete abnormis*, Pk.
- Lenzites heteromorpha*, Fr.
- Lenzites sepiaria*, (Wulf.) Fr., var. *porosa*, Pk.

- Merulius bellus*, B. & C.
- { *Merulius confluens*, S.
- { *Merulius Corium*, Fr.
- Merulius molluscus*, Fr.
- Odontia fusca*, C. & E.
- Polyporus carneus*, Nees.
- { *Polyporus circinatus*, Fr.
- { *Polyporus dualis*, Pk.
- { *Polystictus circinatus*, Cke.
- { *Mucronoporus circinatus*, Ell. & Ev.
- { *Mucronoporus dualis*, Ell. & Ev.
- Polyporus fulvus*, Fr.
- Polyporus destructor*, (Schrad.) Fr.
- Polyporus leucospongia*, Cke. & Hark.
- { *Polyporus odorus*, Pk.
- { *Poria odora*, Sacc. Syll.
- { *Polyporus Stephensii*, B. & Br.
- { *Trametes serpens*, Fr.
- { *Polyporus sinuosus*, Fr.
- { *Trametes sinuosa*, Cke. & Quel.
- { *Poria sinuosa*, Cke.
- Polyporus vulgaris*, Fr.
- Trametes odoratus*, (Wulf.) Fr.
- Tremella lutescens*, P.
- Ozonium auricomum*, Lk.

*Larix Americana*, Michx

- Agaricus (Mycena) strobilinus*, P.
- Chilonectria Cucurbitula*, (Curr.) Sacc.
- Corticium amorphum*, (P.) Fr.
- Corticium giganteum*, Fr.
- { *Thelephora ochracea*, S. Syn. Car.
- { *Thelephora subzonata*, Fr.
- { *Corticium subzonatum*, Fr.
- Irpex tabacinus*, B. & C.
- Lentinus lepideus*, Fr.
- Lentinus maximus*, Johnson.
- Lentinus tigrinus*, (Bull.) Fr.
- Peziza Agassizii*, B. & C.
- Polyporus abietinus*, (Dicks.) Fr.
- Polyporus abietinus*, (Dicks.) Fr., var. *resupinatus*, Thm.
- Polyporus pinicola*, (Swartz) Fr.
- Trametes Pini*, (Brot.) Fr.
- Tremella mesenterica*, Retz.
- Trichothecium roseum*, Lk.

*Larix*, sp. indet.

- Agaricus (Clitocybe) cerrusatus*, Fr.
- Agaricus (Pleurotus) serotinus*, Schrad.
- { *Thelephora pubera*, S. Am. bor.
- { *Corticium Auberianum*, Mont.
- { *Sphaeria strobilina*, Fr.
- { *Dichaena strobilina*, Fr.
- Lenzites abietina*, (Bull.) Fr.
- Nectria coccinea*, (P.) Fr.
- Phlyctaena phomatella*, Sacc.?
- { *Polyporus annosus*, Fr.
- { *Fomes annosus*, Cke.

{ *Polyporus armeniacus*, B.  
 \ *Polyporus adiposus*, B. & Br., var.  
     *armeniacus*, Cke.  
*Polyporus destructor*, (Schrad.) Fr.  
 \ *Poria incarnata*, P.  
 \ *Polyporus incarnatus*, Fr.  
*Polyporus violaceus*, Fr.  
*Trametes Abietis*, Karst.  
*Picea alba*, Lk.  
 \ *Cenangium pityum*, B. & C.  
 \ *Scleroderris pitya*, Sacc.  
*Lenzites sepiaria*, (Wulf.) Fr.  
*Phragmotrichum Chailletii*, Kze.  
*Picea concolor*, Gordon.  
*Aecidium elatinum*, A. & S.  
*Picea Engelmanni*, Engelm.  
*Peridermium abietinum*, (A. & S.) Thm.  
*Peridermium Engelmanni*, Thm.  
*Picea excelsa*, Lk.  
*Nectria coccinea*, (P.) Fr.  
 \ *Aecidium conorum-Piceae*, Reess.  
 \ *Peridermium conorum*, Thm.  
*Pestalozzia abietina*, Vogl.  
 \ *Pestalozzia Stevensonii*, Pk.  
 \ *Pestalozzia truncatula*, Farl. in N. A. F.  
     an Fckl. ?  
 \ *Pestalozzia strobilicola*, Speg.  
 \ *Pestalozzia conorum-Piceae*, Von Tubeuf.  
*Phoma lineolata*, Desm.  
*Picea nigra*, Lk.  
*Agaricus (Mycena) hiemalis*, Osbeck.  
*Corticium subaurantiacum*, Pk.  
*Hypodermium sparsum*, Lk.  
*Irpe fuscoviolaceus*, (Schrad.) Fr.  
*Marasmius perforans*, (Hoffm.) Fr.  
*Merulius Ravenelii*, B.  
*Mucronella calva*, (A. & S.) Fr.  
 \ *Aecidium abietinum*, Auct. Amer. pp.  
 \ *Peridermium abietinum*, Auct. Amer. pp.  
 \ *Peridermium decolorans*, Pk.  
 \ *Peridermium abietinum*, var. *decolorans*, Thm.  
*Polyporus marginellus*, Pk.  
*Poria mutans*, Pk., var. *tenuis*, Pk.  
*Polyporus piceinus*, Pk.  
*Polyporus variiformis*, Pk.  
*Polyporus variiformis*, Pk., var. *interrup-*  
     *tus*, Pk.  
*Polyporus variiformis*, Pk., var. *nodulo-*  
     *sus*, Pk.  
*Polyporus variiformis*, Pk., var. *resupi-*  
     *natus*, Pk.  
 \ *Polyporus violaceus*, Fr.  
 \ *Poria violacea*, Cke.  
 \ *Polyporus volvatus*, Pk.  
 \ *Fomes volvatus*, Cke.  
*Schizophyllum commune*, Fr.  
*Stereum abietinum*, (P.) Fr.

*Picea Sitchensis*, Carr.  
*Peziza fuscosanguinea*, (Rehm) Ell. & Ev.  
*Trametes Pini*, (Brot.) Fr.  
*Pinus albicaulis*, Engelm.  
*Comatricha Suksdorfii*, Ell. & Ev.  
*Hysterium formosum*, Cke.  
*Pinus Austriaca*, Höss.  
*Pestalozzia peregrina*, Ell. & Martin.  
*Pinus contorta*, Dougl.  
 \ *Sphaeria tumulata*, Cke.  
 \ *Amphisphaeria tumulata*, Sacc.  
 \ *Xylosphaeria tumulata*, Cke.  
 \ *Corticium carneum*; B. & Cke.  
 \ *Peniophora carnea*, Cke.  
 \ *Dacryomyces deliquescens*, (Bull.) Duby.  
 \ *Dacryomyces tortus*, Fr.  
 \ *Hysterium formosum*, Cke.  
 \ *Hysterographium formosum*, Sacc.  
 \ *Hysterium Pinastri*, Schrad.  
 \ *Lophodermium Pinastri*, Chev.  
 \ *Sphaeria Pulvis-pyrius*, P.  
 \ *Melanomima Pulvis-pyrius*, Fckl.  
*Peridermium Harknessii*, Moore.  
 \ *Peziza Agassizii*, B. & C., var. *rufipes*,  
     Phil.  
 \ *Dasyscypha Agassizii*, Sacc., var.  
     *rufipes*, Sacc.  
 \ *Peziza hyalina*, P.  
 \ *Pseudohelotium hyalinum*, Fckl.  
*Polyporus labyrinthicus*, Fr.  
 \ *Polyporus obvolvatus*, B. & Cke.  
 \ *Polyporus volvatus*, Pk., var. *obvolvatus*, Pk.  
 \ *Fomes volvatus*, Cke., var. *obvolvatus*,  
     Sacc. Syll.  
 \ *Sphaeria myriocarpa*, Fr.  
 \ *Psilosphaeria myriocarpa*, Hark.  
 \ *Rosellinia myriocarpa*, Cke.  
*Secotium nubigenum*, Hark.  
*Pinus inops*, Ait.  
*Coniosporium strobilinum*, S.  
*Hypodermium sulcigenum*, Lk.  
 \ *Hysterium Nova-Caesariense*, Ell.  
 \ *Mytilidion Nova-Caesariense*, Rehm.  
 \ *Hysterographium Nova-Caesariense*, Roum.  
*Periconia nana*, Ehrb.  
 \ *Caeoma pineum*, Lk.  
 \ *Peridermium Pini*, Lev., var. *corticolum*,  
     Auct.  
*Peziza conorum*, Ell.  
*Phacidium lacerum*, Fr.  
*Stictis fimbriata*, S.  
*Pinus insignis*, Dougl.  
*Cenangium ferruginosum*, Fr.  
 \ *Phoma acuum*, C. & E.  
 \ *Coniothyrium acuum*, Hark.  
*Dermatea Pini*, Phil. & Hark.  
 \ *Sphaeria Vermicularia*, Nees.  
 \ *Eriosphaeria Vermicularia*, Sacc.  
 \ *Lasiosphaeria Vermicularia*, Cke.

*Lophium mytilinum*, (P.) Fr.  
*Peridermium Harknessii*, Moore.  
*Peridermium Pini*, Lev. var. *corticolum*, Auct.  
*Sphaerella acicola*, Cke. & Hark.  
*Tubercularia insignis*, Cke. & Hark.  
*Vermicularia Tiliae*, Lk.  
*Zygodesmus fuscus*, Cda.  
*Zygodesmus marginatus*, Cke. & Hark.  
***Pinus Lambertiana***, Dougl.  
 { *Polyporus argillaceus*, Cke.  
 { *Poria argillacea*, Cke.  
***Pinus mitis***, Michx.  
*Corticium laeve*, P.  
*Hysterographium flexuosum*, (S.) Sacc.  
*Lentinus lepideus*, Fr.  
 { *Peridermium oblongisporium*, Fckl., var.  
 { *Peridermium orientale*, Cke.  
 { *Cryptosporium acicolum*, Thm.  
 { *Septoria acicola*, Sacc.  
***Pinus Murrayana***, Balf.  
*Didymosphaeria euryasca*, Ell. & Gall.  
*Hymenochaete fimbriata*, Ell. & Ev.  
*Trametes Pini*, (Brot.) Fr.  
***Pinus palustris***, Mill.  
*Boletus hemichrysus*, B. & C.  
 { *Sphaeria pilifera*, Fr.  
 { *Ceratostoma piliferum*, Fckl.  
*Corticium arachnoideum*, B.  
*Hydnus pityophilum*, B. & C.  
*Lentinus lepideus*, Fr.  
 { *Hysterium Pinastri*, Schrad.  
 { *Lophodermium Pinastri*, Chev.  
 { *Merulius fugax*, Rav. Fung. Car.  
 { *Merulius ambiguus*, B.  
*Merulius lacrymans*, (Wulf.) Schum.  
 { *Agaricus dorsalis*, Bosc.  
 { *Panus dorsalis*, Fr.  
 { *Tubercularia carneae*, Bosc.  
 { *Peridermium oblongisporium*, Fckl.,  
   var. *Ravenelii*, Thm.  
 { *Peridermium orientale*, Cke.  
*Polyporus abietinus*, (Dicks.) Fr., var.  
   *resupinatus*, Thm.  
*Polyporus carneus*, Nees.  
*Polyporus palustris*, B. & C.  
 { *Stictis strobilina*, Cke.  
 { *Propolis strobilina*, Sacc.  
*Trametes Pini*, (Brot.) Fr.  
***Pinus ponderosa***, Dougl.  
*Cenangium ferruginosum*, Fr.  
*Peridermium filamentosum*, Pk.  
*Peridermium Harknessii*, Moore.  
 { *Peridermium Pini*, Lev., var. *corticolum*,  
   Auct.  
 { *Peridermium cerebrum*, Pk.  
*Phacidium Pini*, (A. & S.) Schm.  
*Scoriomyces Andersoni*, Ell. & Gall.  
 { *Hymenula aciculosa*, Ell. & Hark.  
 { *Volutella aciculosa*, Sacc.  
***Pinus resinosa***, Ait.  
 { *Sphaeria pholidigena*, Ell.  
 { *Anthostomella pholidigena*, Ell.  
 { *Anthostoma pholidigena*, Cke.  
*Lophodermium Pinastri*, (Schrad.) Chev.  
***Pinus rigida***, Mill.  
*Asterina Pinastri*, Sacc. & Ell.  
 { *Nectria Cucurbitula*, Curr.  
 { *Chilonectria Cucurbitula*, Sacc.  
*Cenangium acuum*, C. & P.  
*Dacryomyces corticioides*, Ell. & Ev., var.  
   *conigenus*, Ell. & Ev.  
*Hendersonia rostrata*, Sacc. & Ell.  
*Hymenula fumosa*, C. & E.  
*Hypoderma Desmazierii*, Duby.  
*Lophium mytilinum*, (P.) Fr.  
*Lophodermium Pinastri*, (Schrad.) Chev.  
*Marasmius straminipes*, Pk.  
 { *Sphaeria squamata*, C. & E.  
 { *Metasphaeria squamata*, Sacc.  
 { *Leptosphaeria squamata*, Ell.  
 { *Hysterium Nova-Caesariense*, Ell.  
 { *Mytilidion Nova-Caesariense*, Rehm.  
*Parodiella rigida*, Ell. & Ev.  
 { *Aecidium Pini*, P. p.p.  
 { *Peridermium Pini*, var. *acicolum*, Wallr.  
 { *Peridermium oblongisporium*, Fckl.  
 { *Aecidium Pini*, P. p.p.  
 { *Caeoma pineum*, Lk.  
 { *Peridermium Pini*, Lev., var. *corticola*,  
   Auct.  
*Peridermium cerebrum*, Pk.  
*Peridermium corticolum*, Rav. Fung. Am.  
 { *Peziza conorum*, Ell.  
 { *Propolis rhodoleuca*, (Sommf.) Phil.  
 { *Peziza lachnoderma*, B.  
 { *Peziza Ellisiana*, Rehm.  
 { *Dasyscypha lachnoderma*, Rehm.  
 { *Helotium Ellisianum*, Wettstein.  
 { *Dasyscypha Ellisiana*, Sacc.  
 { *Dermatea phyllophila*, Pk.  
 { *Peziza lethalis*, Ell.  
 { *Peziza Pinastri*, C. & P.  
 { *Cenangium acuum*, C. & P.  
 { *Mollisia Pinastri*, Sacc.  
 { *Peziza pulverulenta*, Lib.  
 { *Peziza solfatera*, C. & E.  
 { *Dasyscypha pulverulenta*, Sacc.  
 { *Dasyscypha solfatera*, Sacc.  
 { *Polyporus obvolutus*, B. & Cke.  
 { *Polyporus volvatus*, Pk., var. *obvolutus*, Pk.  
 { *Fomes volvatus*, Cke., var. *obvolutus*, Sacc.  
   Syll.  
 { *Propolis leucaspis*, Ell.  
 { *Propolis Leonis*, (Tul.) Rehm.  
 { *Sphaeria abietina*, var. *trichota*, C. & E.  
 { *Rosellinia abietina*, Fckl., var. *tricota*,  
   Sacc.

Trametes Pini, (Brot.) Fr.  
 Venturia barbula, (B. & Br.) Cke., var.  
 foliicola, Ell.  
 { Sphaeria albocincta, C. & E.  
 { Zignoella albocincta, Sacc.  
 { Conisphaeria albocincta, C. & E.

*Pinus Sabiniana*, Dougl.

Aulographum acicolum, Hark.  
 Cenangium ferruginosum, Fr.  
 Peridermium Harknessii, Moore.  
 Trichosporium fuscescens, Cke. & Hark.

*Pinus Strobus*, L.

Agaricus (Armillaria) melleus, Vahl.  
 Caliciopsis pinea, Pk.  
 Cenangium acuum, C. & P.  
 { Cenangium ferruginosum, Fr.  
 { Cenangium Abietis, (P.) Rehm.  
 Cenangium Pinastri, (P.) Fr.  
 { Nectria Curcurbitula, Curr.  
 { Chilonectria Cucurbitula, Sacc.  
 Diplodia pinea, (Desm.) Kickx.  
 Excipula Strobi, Fr.  
 Haplosporella Pini, Pk.  
 Hirneola Auricula-Judæ, (L.) B.  
 { Hypoderma nervisequum, DC.  
 { Rhytidisma lineare, Pk.  
 { Hypoderma lineare, Pk.  
 Hypodermium effusum, S.  
 Lentinus lepideus, Fr.  
 { Hysterium Pinastri, Schrad.  
 { Lophodermium Pinastri, Chev.  
 Merulius lacrymans, (Wulf.) Schum.  
 Phacidium abietinum, Schm.  
 { Phacidium Pini, (A. & S.) Schm.  
 { Phacidium crustaceum, B. & C. in Herb.  
 { Curtiss.  
 { Coccomyces Pini, Karst.  
 Polyporus Vaillantii, (DC.) Fr.  
 Phoma strobilinum, P. & C.  
 Sphaeronema strobilinum, Desm.  
 { Sphaeronema subtile, B. & C.  
 { Aposphaeria hysterella, Sacc.  
 { Stictis hysterina, Fr.  
 { Xylogramma hysterinum, Rehm.  
 { Sphaeria Spraguei, B. & C.  
 { Melogramma Spraguei, B. & C.  
 { Thiridium Spraguei, Sacc.  
 { Polyporus annosus, Fr.  
 { Trametes radiciperda, R. Hartig.  
 Trametes Pini, (Brot.) Fr.  
 { Sphaeria Colliculus, Wormsk.  
 { Valsa Colliculus, Cke.

*Pinus silvestris*, L.

{ Sphaeropsis Pinastri, C. & E.  
 { Sphaeropsis Ellisii, Sacc.

*Pinus Taeda*, L.

Diplodia megalospora, B. & C.

Peridermium orientale, Cke.

{ Peridermium Pini, Lev. var.  
 { Peridermium corticolum, Rav. Fung. Am.  
 { Phacidium elegans, B. & C.  
 { Dothiora elegans, Sacc.

*Pinus*, sp. indet.

MYXOMYCETES.

{ Badhamia penetrans, C. & E.  
 { Lamproderma Ellisiana, Cke.  
 { Comatricha Ellisiana, Ell. & Ev.  
 { Diderma albescens, Phil.  
 { Chondrioderma albescens, Cke.  
 Cibraria dictydioides, Cke. & Balf.  
 Physarum pulcherrimum, B. & Rav.  
 Stemonitis porphyra, B. & C.

PYRENOMYCETES.

{ Sphaeria Scopula, C. & P.  
 { Lasiosphaeria Scopula, C. & P.  
 { Acanthostigma Scopula, Pk.  
 Capnodium australe, Mont.  
 Capnodium Pini, B. & C.  
 Ceratostoma conicum, Ell. & Ev.  
 Ceratostoma fallax, Cke. & Sacc.  
 { Sphaeria parallela, Fr.  
 { Endoxyla parallela, Sacc.  
 { Sphaeria luteobasis, Ell.  
 { Eutypa luteobasis, Sacc.  
 { Byssosphaeria luteobasis, Cke.  
 Glonium stellatum, Muhl.  
 Hypocrea olivacea, C. & E.  
 { Hysterium conigenum, P.  
 { Hypoderma conigenum, Sacc.  
 Hypoderma nervisequum, DC.  
 { Nectria Tegillum, B. & C.  
 { Hypomyces Tegillum, B. & C.  
 { Sphaeria nudicollis, B. & C.  
 { Hypoxylon nudicolle, B. & C.  
 { Valsaria? nudicollis, Sacc.  
 Hysterium Gloniopsis, Gerard.  
 Hysterium macrosporium, Pk.  
 { Sphaeria canescens, P.  
 { Lasiosphaeria canescens, Karst.  
 { Sphaeria hispida, Tode.  
 { Lasiosphaeria hispida, Fckl.  
 { Sphaeria solaris, C. & E.  
 { Lasiosphaeria solaris, Sacc.  
 { Byssosphaeria solaris, Cke.  
 { Sphaeria strigosa, A. & S.  
 { Lasiosphaeria strigosa, Sacc.  
 Lophium fusisporum, Cke.  
 Melanomma ramincolum, S. Herb.  
 { Sphaeria graopsis, Ell.  
 { Melanopsamma graopsis, Sacc.  
 Meliola fenestrata, C. & E.

- { *Sphaeria Coulteri*, Pk.
- { *Lasiosphaeria acicola*, Cke.
- { *Amphisphaeria?* *acicola*, Sacc.
- { *Enchnosphaeria Coulteri*, Sacc.
- { *Neopeckia Coulteri*, Sacc.
- { *Byssosphaeria acicola*, Cke.
- { *Sphaeria hirtissima*, Pk.
- { *Rosellinia hirtissima*, Sacc.
- { *Coniochaeta hirtissima*, Pk.
- { *Hysterium Pinastri*, M. A. Curtis in Herb. Duby.
- { *Aporia obscura*, Duby.
- { *Schizothyrium obscurum*, Sacc.
- { *Sphaeria fissurarum*, B. & C.
- { *Trichosphaeria fissurarum*, Sacc.
- { *Lasiosphaeria fissurarum*, Cke.
- { *Sphaeria pilosa*, P.
- { *Trichosphaeria pilosa*, Fckl.
- { *Lasiosphaeria pilosa*, Cke.
- Valsa Abietis*, Fr.
- Valsa Pini*, (A. & S.) Fr.
- { *Sphaeria tortuosa*, Fr.
- { *Valsa tortuosa*, Cke.
- { *Sphaeria diaphana*, C. & E.
- { *Zignoella diaphana*, Sacc.
- { *Psilosphaeria diaphana*, Cke.
- { *Sphaeria soluta*, C. & E.
- { *Zignoella soluta*, Sacc.
- { *Conisphaeria soluta*, C. & E.

## SPHAEROPSIDEAE.

- Leptostroma confluens*, Cke.
- Leptostroma durissimum*, Cke.
- Leptostroma Pinastri*, Desm.
- { *Sacidium Pini*, (Cda.) Fr.
- { *Leptothyrium Pini*, Sacc.
- Phoma fabricola*, B.
- { *Sphaeropsis micromegala*, B. & C.
- { *Phoma micromegala*, Sacc.
- { *Macrophoma micromegala*, Berl. & Vogl.
- Phoma strobiligena*, Desm.
- { *Cryptosporium Pini*, B. & C.
- { *Rhabdospora Pini*, Sacc.

## MELANCONIEAE.

- Stilbospora pinicola*, B. & C.

## HYPHOMYCETES.

- Botrytis elegantula*, Cke.
- ?*Botrytis epigaea*, Lk.
- { *Circinotrichum candidum*, S.
- { *Botrytis?* *Schweinitzii*, Sacc.
- Chalara acuaria*, C. & E.
- Chalara fusidioides*, Cda.
- Cylindrocolla cylindrophora*, Ell. & Ev.
- Epicoccum scabrum*, Cda.
- { *Fusisporium miniatum*, B. & C.
- { *Fusarium miniatum*, Sacc.

- Fusarium roseum*, Lk.
- { *Helicomyces aureus*, Cda.
- { *Helicosporium aureum*, Auct.
- Helicosporium fuscum*, B. & C.
- Helicosporium olivaceum*, Pk.
- Helicosporium thysanophorum*, Ell. & Hark.
- Illosporium coccinellum*, Cke.
- Illosporium persicinum*, Fr.
- Isaria radiata*, B. & C.
- Macrosporium leptotrichum*, C. & E.
- Monilia antennata*, P.
- { *Oidium simile*, B.
- { *Oospora similis*, Sacc.
- Riessia semiophora*, Fres.
- Rhinotrichum corticioides*, Cke.
- Rhinotrichum ramosissimum*, B. & C.
- Septonema dendryphioides*, B. & C.
- Septonema tabacinum*, Ell. & Hark.
- Septonema toruloideum*, C. & E.
- Sphaeridium citrinum*, Sacc.
- Sporidesmium antiquum*, Cda.
- { *Sporidesmium translucens*, Cke.
- { *Sirodesmium translucens*, Sacc.
- Sporotrichum aeruginosum*, S.
- Stigmella pityophila*, Cke.
- { *Stilbum smaragdinum*, A. & S.
- { *Graphium smaragdinum*, Sacc.
- Torula sparsa*, B. & C.
- Tubercularia microsperma*, B. & C.
- Virgaria indivisa*, Sacc.
- Volutella citrina*, Ell. & Ev.
- Zygodesmus marginatus*, Cke. & Hark.
- Zygodesmus muricatus*, Ell. & Ev.
- Zygodesmus olivascens*, B. & C.
- Zygodesmus pannosus*, B. & C.
- Zygodesmus ramosissimus*, B. & C.
- Zygodesmus sublilacinus*, Ell. & Holw.
- Zygodesmus trachychaetes*, Ell. & Ev.

## DISCOMYCETES.

- Agyrium brunneolum*, B. & C.
- Agyrium rufum*, (P.) Fr.
- { *Ascobolus carneus*, P.
- { *Ascophanus carneus*, Boud.
- { *Ascomyces anomalus*, Ell. & Hark.
- { *Exoascus anomalus*, Sacc.
- Cenangium pityum*, Fr.
- Helotium subtile*, Fr.
- Mitrula cucullata*, Fr.
- Peziza abdita*, Ell.
- Peziza bicolor*, Bull.
- Peziza calycina*, Schum.
- Peziza chamaeleontina*, Pk.
- { *Peziza conigena*, P.
- { *Helotium conigenum*, Fr.

- { *Peziza fascicularis*, A. & S.  
| *Dermatea fascicularis*, Fr.
- { *Cenangium populneum*, (P.) Rehm.  
| *Peziza flexella*, (Ach.) Fr.
- { *Patinella flexella*, Sacc.  
| *Peziza fumosella*, C. & E.
- { *Dasyseypha fuscosanguinea*, Rehm.  
| *Peziza arida*, Phil.
- { *Peziza fuscosanguinea*, Ell. & Ev.  
| *Dasyseypha arida*, Sacc.
- { *Peziza latebrosa*, Ell.  
| *Dasyseypha latebrosa*, Sacc.
- { *Peziza ochracea*, S.  
| *Dasyseypha ochracea*, Sacc.
- { *Peziza Pineti*, Batsch.  
| *Peziza lurida*, P.
- Peziza pulchella*, var. b., A. & S.
- Peziza resinae*, Fr.
- { *Peziza rhaphidospora*, Ell.  
| *Erinella rhaphidospora*, Sacc.
- Peziza scutellata*, L.
- Peziza strobilina*, Fr.
- { *Peziza uncinata*, Phil.  
| *Dasyseypha uncinata*, Sacc.
- { *Peziza subtilissima*, Cke.  
| *Dasyseypha subtilissima*, Sacc.
- { *Peziza vinosa*, A. & S.  
| *Orbilia vinosa*, Karst.
- { *Stictis decidua*, Ell. & Ev.  
| *Propolis decidua*, Sacc.
- Stictis hemisphaerica*, Fr.

## HYMENOMYCETES.

## Agaricini.

- Agaricus Campanella*, Batsch.
- { *Agaricus chrysophyllus*, Fr.  
| *Omphalia chrysophylla*, Karst.
- { *Agaricus conigenoides*, Ell.  
| *Collybia conigenoides*, Sacc. Syll.
- { *Agaricus conigenus*, P.  
| *Collybia conigena*, Sacc. Syll.
- { *Agaricus flavescens*, Pk.  
| *Tricholoma flavescens*, Sacc. Syll.
- Agaricus (Mycena) intertextus*, B. & C.
- { *Agaricus nidulans*, P.  
| *Claudopus nidulans*, Pk.
- { *Agaricus niphetus*, Ell.  
| *Pleurotus niphetus*, Sacc. Syll.
- { *Agaricus porrigens*, P.  
| *Pleurotus porrigens*, Sacc. Syll.
- { *Agaricus rubescensifolius*, Pk.  
| *Collybia rubescensifolia*, Pk.
- Agaricus (Flammula) sapineus*, Fr.
- Agaricus (Tricholoma) sculpturatus*, Fr.
- Agaricus (Collybia) stipitarius*, Fr.
- { *Agaricus striatulus*, P.  
| *Pleurotus striatulus*, Sacc. Syll.
- Agaricus (Pleurotus) sulfureoides*, Pk.

- Cantharellus Ravenelii*, B. & C.
- Cortinarius limonius*, Fr.
- Cortinarius opimus*, Fr.
- Lentinus cochleatus*, Fr.
- Lentinus cochleatus*, Fr., var. *dentatus*, S.
- Lenzites rhabarbarina*, B. & C.
- Lenzites sepiaria*, (Wulf.) Fr.
- Lenzites striata*, (Swartz) Fr.
- Lenzites vialis*, Pk.
- Marasmius candidus*, (Bolt.) Fr.
- Marasmius flammans*, Cke.
- Marasmius perforans*, (Hoffm.) Fr.
- Marasmius pityophilus*, B. & C.
- Marasmius praecutus*, Ell.
- Mycena crystallina*, Pk.
- Panus foetens*, Fr.
- Paxillus atrotomentosus*, (Batsch), Fr.
- Paxillus Curtisii*, B.
- Paxillus panuoides*, Fr.
- Paxillus rufus*, B. & C.

## Polyporei.

- { *Daedalea rhabarbarina*, B. & Cke.  
| *Daedalea Berkeleyi*, Sacc.
- Merulius aureus*, Fr.
- Merulius bellus*, B. & C.
- Merulius Corium*, (P.) Fr.
- Merulius incrassatus*, B. & C.
- Merulius lacrymans*, (Wulf.) Schum., var. *tenuissimus*, B.
- Merulius porinoides*, Fr.
- { *Merulius serpens*, Rav. Fung. Car.  
| *Merulius Ravenelii*, B.
- Merulius tremellosus*, Schrad.
- { *Boletus abietinus*, Dicks.  
| *Polyporus abietinus*, Fr.  
| *Polystictus abietinus*, Cke.
- { *Polyporus aneirinus*, Sommf.  
| *Trametes aneirina*, Cke. & Quel.  
| *Poria aneirina*, Cke.
- { *Polyporus aurantiopallens*, B. & C.  
| *Poria aurantiopallens*, Cke.
- Polyporus caesius*, (Schrad.) Fr.
- { *Polyporus cinnabarinus*, (Jacq.) Fr.  
| *Hydnus cinnabarinum*, (S.) Fr.
- Polyporus corticulus*, Fr.
- { *Polyporus deglubens*, B. & C.  
| *Polystictus deglubens*, Cke.
- { *Polyporus dependens*, B. & C.  
| *Polystictus dependens*, Cke.
- Polyporus epileucus*, Fr.
- { *Polyporus farinellus*, Fr.  
| *Polyporus tenellus*, N. A. F.  
| *Poria farinella*, Cke.
- { *Polyporus tenellus*, B. & Cke.  
| *Poria tenella*, B. & Cke.

- { *Poria incarnata*, P.
- { *Polyporus incarnatus*, Fr.
- Polyporus lacteus*, Fr.
- Polyporus Lindbladii*, B., var.
- Polyporus lucidus*, (Leys.) Fr.
- { *Poria mucida*, P.
- { *Boletus mucidus*, P.
- { *Polyporus inmucidus*, Fr.
- { *Polyporus Radula*, Rav. Fung. Am.
- { *Poria omoema*, B. sec Cke.
- { *Polyporus parvulus*, S.
- { *Polystictus parvulus*, Cke.
- { *Polystictus pusio*, Sacc. & Cub.
- Polyporus pineus*, Pk.
- { *Polyporus pinicola*, (Swartz) Fr.
- { *Fomes pinicola*, Cke.
- { *Polyporus salmonicolor*, B. & C.
- { *Poria salmonicolor*, Cke.
- { *Polyporus sanguineus*, (L.) Mey.
- { *Polystictus sanguineus*, Fr.
- { *Polyporus triqueter*, (Secr.) Fr.
- { *Polystictus triqueter*, Cke.
- { *Poria vaporaria*, P.
- { *Polyporus vaporarius*, Fr.
- { *Polyporus velutinus*, (P.) Fr.
- { *Polystictus velutinus*, Cke.
- { *Polyporus vesiculosus*, B. & C.
- { *Polyporus subacidus*, Pk., var. *vesiculosus*,  
Pk.
- Poria vesiculosa*, Cke.
- Poria subacida*, Sacc. Syll., var. *vesiculosus*,  
Pk.
- { *Polyporus vulgaris*, Fr.
- { *Poria vulgaris*, Cke.
- { *Polyporus xanthus*, Fr.
- { *Poria xantha*, Cke.
- Poria favillacea*, (B. & C.) Cke.
- Porothelium confusum*, B. & Br.
- Porothelium Friesii*, Mont.
- Trametes odorata*, (Wulf.) Fr.
- Trametes sepium*, B.
- { *Trametes versatilis*, B.
- { *Polystictus versatilis*, Fr.

### Hydnei.

- Grandinia alutacea*, B. & Rav.
- Grandinia granulosa*, (P.) Fr.
- Hydnnum alutaceum*, Fr.
- Hydnnum auriscalpium*, L.
- Hydnnum ciliolatum*, B. & C.
- Hydnnum Ellisianum*, Thm.
- Hydnnum farinaceum*, P.
- Hydnnum nudum*, B. & C.
- Hydnnum plumosum*, Duby.
- Hydnnum Stevensoni*, B. & Br.
- Hydnnum velatum*, B. & C.
- Hydnnum xanthum*, B. & C.
- Irpea coriaceus*, B. & Rav.

*Irpea fusco-violaceus*, (Schrad.) Fr.

*Kneifia setigera*, Fr.

*Odontia fusca*, C. & E.

### Thelephorei.

- Asterostroma corticola*, Massee.
- { *Thelephora albidoarnea*, S.
- { *Corticium albidoarneum*, Rav.
- { *Corticium chrysocreas*, B. & C.
- { *Asterostroma albidoarneum*, Massee.
- Corticium Auberianum*, Mont.
- Corticium Berkeleyi*, Cke.
- { *Thelephora calcea*, Fr.
- { *Corticium calceum*, Fr.
- Corticium echinosporum*, Ell.
- { *Hymenochaete Ellisii*, B. & Cke.
- { *Corticium (Coniophora) Ellisii*, Cke.
- { *Thelephora gigantea*, Fr.
- { *Corticium giganteum*, Fr.
- { *Peniophora gigantea*, Massee.
- Corticium incarnatum*, Fr.
- Corticium incarnatum*, Fr., var. *maculans*, Ell.
- { *Corticium leucothrix*, B. & C.
- { *Coniophora leucothrix*, Sacc. Syll.
- Corticium ochroleucum*, Fr., var. *spumeum*,  
B. & Rav.
- Corticium punctulatum*, Cke.
- Corticium saccharinum*, B. & C.
- Corticium seriale*, Fr.
- { *Corticium suffocatum*, Pk.
- { *Coniophora suffocata*, Massee.
- Corticium tessulatum*, Cke.
- Corticium vagum*, B. & C.
- Stereum radiatum*, Pk.
- { *Thelephora sanguinolenta*, A. & S.
- { *Stereum sanguinolentum*, Fr.
- { *Thelephora arida*, Fr.
- { *Coniophora arida*, Sacc. Syll.
- Thelephora chalybaea*, P.
- { *Thelephora concentrica*, A. & S.
- { *Thelephora ochracea*, Fr.
- Thelephora puteana*, Schum.
- Thelephora zygodesmoides*, Ell.

### Clavarie.

- Clavaria pyxidata*, P.

### Tremellini.

- Arrhytidia flava*, B. & C.
- { *Calocera stricta*, Fr.
- { *Calocera albipes*, (Mont.) B.
- Calocera cornea*, (Batsch) Fr.
- { *Tremella Aurantia*, S.
- { *Dacryomyces chrysosperma*, B. & C.
- Dacryomyces corticioides*, Ell. & Ev.
- { *Tremella abietina*, P.
- { *Dacryomyces stillatus*, Nees.

Ditiola radicata, (A. & S.) Fr.  
 Exidia pedunculata, B. & C.  
 Exidia recisa, Fr.  
 { Hydnium gelatinosum, Scop.  
 { Hydnoglaeum gelatinosum, Curr.  
 { Tremellodon gelatinosum, Fr.  
 Tremella pinicola, Pk.

## MISCELLANEA.

Crucibulum vulgare, Tul.  
 Nidularia rubella, Ell. & Ev.  
 Ozonium auricomum, Lk.  
 Peridermium pyriforme, Pk.  
 { Xylostroma giganteum, Tode.  
 { Racodium Xylostroma, P.  
 Rhizoctonia bicolor, Ell.  
 Sphaerobolus stellatus, Tode.

*Pseudotsuga Douglasii*, Carr.

Cenangium leptospermum, B. & C.  
 Iapalaria Ellisii, Cke.  
 Hymenochaete rugispora, Ell. & Ev.  
 Lasiosphaeria Pezizula, (B. & C.) Sacc.  
 { Patellaria abietina, Cke.  
 { Patinella abietina, Sacc.  
 Phoma strobiligena, Desm.  
 Polyporus hispidus, (Bull.) Fr.  
 Sphaerella conigena, Ell. & Ev.  
 Sporidesmium translucens, Cke.  
 Trametes Pini, (Brot.) Fr.

*Tsuga Canadensis*, Carr.

## ASCOMYCETES.

{ Sphaeria Scopula, C. & P.  
 { Acanthostigma Scopula, Pk.  
 Cenangium balsameum, Pk., var. abietinum,  
 Pk.  
 Cenangium Pinastri, (P.) Fr.  
 { Peziza chamaeleontina, Pk.  
 { Dasyscypha chamaeleontina, Sacc.  
 { Peziza elatina, A. & S.  
 { Chlorosplenium elatinum, Sacc.  
 { Bulgaria deligata, Pk.  
 { Peziza leucobasis, Pk.  
 { Pyronema leucobasis, Sacc.  
 { Peziza pitya, P.  
 { Sarea pitya, S.  
 { Pitya vulgaris, Fckl.  
 { Rhizina Helvetica, Fckl.  
 { Peziza Warnei, Pk.  
 { Discina Warnei, Sacc.  
 Sphaerella conigena, Pk.  
 { Stictis Tsugae, Farl.  
 { Propolidium Tsugae, Sacc.  
 { Sphaeria livida, P.  
 { Thyridium lividum, Sacc.  
 Valsa Abietis, Fr.

## FUNGI IMPERFECTI.

Botrytis ceratoides, Pk.

Botrytis lilacina, S.  
 { Isaria monilioides, var. b., S. Syn. Car.  
 { Cephalotrichium monilioides, Lk.  
 Cryptosporium Noveboracense, B. & C.  
 Gelatinosporium abietinum, Pk.  
 Helicosporium ellipticum, Pk.  
 Helicosporium olivaceum, Pk.  
 Phoma Libertiana, Speg. & Roum.  
 { Fusarium capitatum, S.  
 { Pionnotes capitata, Fr.

## HYMENOMYCETES.

{ Agaricus bellulus, Pk.  
 { Naucoria bellula, Sacc. Syll.  
 Agaricus Campanella, Batsch.  
 Agaricus (Mycena) epipterygius, Scop.  
 Agaricus (Armillaria) melleus, Vahl.  
 { Agaricus porrigens, P.  
 { Pleurotus porrigens, Sacc. Syll.  
 { Agaricus (Omphalia) rugosodiscus, Pk.  
 { Mycena rugosodisca, Sacc. Syll.  
 { Agaricus striatulus, P.  
 { Pleurotus striatulus, Sacc. Syll.  
 { Agaricus (Collybia) succosus, Pk.  
 { Mycena succosa, Sacc. Syll.  
 { Corticium suffocatum, Pk.  
 { Coniophora suffocata, Massee.  
 Hydnus farinaceum, P.  
 Lenzites sepiaria, (Wulf.) Fr.  
 Marasmius filipes, Pk.  
 M. rutilus himantoides, Fr.  
 Mucronella calva, (A. & S.) Fr.  
 Panus stipticus, (Bull.) Fr.  
 Paxillus atrotomentosus, (Batsch) Fr.  
 Paxillus panuoides, Fr.  
 Polyporus abietinus, (Dicks.) Fr.  
 { Polyporus applanatus, (P.) Wallr.  
 { Fomes applanatus, Karst.  
 Fomes applanatus, (P.) Karst., var. abietinus,  
 Thm.  
 { Polyporus benzoinus, (Wahl.) Fr.  
 { Trametes benzoina, Fr.  
 Polyporus borealis, (Wahl.) Fr.  
 Polyporus cinnabarinus, (Jacq.) Fr.  
 Polyporus crissellus, Pk.  
 Polyporus epileucus, Fr.  
 Polyporus epileucus, Fr., var. candidus, Pk.  
 Polyporus giganteus, (P.) Fr.  
 Polyporus lucidus, (Leys.) Fr.  
 Polyporus Medulla-panis, (P.) Fr.  
 { Polyporus Pilotae, S.  
 { Polyporus Pini-Canadensis, S.  
 { Polyporus hypococcinus, B.  
 { Fomes Pini-Canadensis, Cke.  
 Polyporus piniculus, (Swartz) Fr.  
 Polyporus resinosus, (Schrad.) Fr.  
 Polyporus rhodellus, Fr.

{ *Polyporus subacidus*, Pk., var. *tenuis*, Pk.  
 { *Poria subacida*. Sacc. Syll., var. *tenuis*, Pk.  
*Polyporus undosus*, Pk.  
*Polyporus Vaillantii*, (DC.) Fr.  
*Polyporus versicolor*, (L.) Fr.  
*Polyporus Weinmanni*, Fr.  
*Poria tomentocincta*, B. & Rav. sec Cke.  
*Radulum Pini-Canadensis*, S.  
*Solenia candida*, P.  
*Solenia villosa*, Fr., var. *polyporoidea*, Pk.  
*Stereum radiatum*, Pk.  
*Stereum sanguinolentum*, (A. & S.) Fr.  
*Tremella Aurantia*, S.  
 MISCELLANEA.  
*Caeoma Abietis-Canadensis*, Farl.  
*Chrysomyxa Abietis*, (Wallr.) Unger.  
*Comatricha subcaespitosa*, Pk.  
*Crucibulum vulgare*, Tul.  
 { *Aecidium columnare*, Auct. Amer.  
 { *Peridermium columnare*, Auct. Amer.  
 { *Peridermium Peckii*, Thm.  
*Xylostroma giganteum*, Tode.  
**Tsuga Pittoniana**, Engelm.  
 { *Anthostomella brachystoma*, Ell. & Ev.  
 { *Xylosphaeria brachystoma*, Cke.  
*Lasiosphaeria stuppea*, Ell. & Ev.  
 { *Patellaria signata*, Ell. & Ev.  
 { *Blitrydium signatum*, Sacc.  
 Araucarieae.  
**Araucaria imbricata**, Pavon.  
*Pestalozzia funerea*, Desm.  
*Sphaeria (Leptosphaeria) Californica*,  
 Cke. & Hark.  
*Stictis Araucariae*, Phil. & Hark.  
 Cupressineae  
 "Cedar," gen. indet.  
 { *Agaricus niphetus*, Ell.  
 { *Pleurotus niphetus*, Sacc. Syll.  
 { *Sphaeria aquatica*, Ell. & Ev.  
 { *Amphisphaeria aquatica*, Berl. & Vogl.  
 { *Didymosphaeria aquatica*, Ell. & Ev.  
*Amphisphaeria deformis*, Ell. & Langlois.  
*Daedalea quercina*, (L.) P.  
*Dendrodochium densipes*, Sacc. & Ell.  
*Dendryphium Harknessii*, Ell.  
*Glonium nitidum*, Ell.  
*Helicomyces aureus*, Cda.  
*Hydnus Stephensonii*, B. & Br.  
*Hypocrea armeniaca*, B. & C.  
*Hypocrea minima*, Sacc. & Ell.  
*Marasmius candidus*, (Bolt.) Fr.  
*Marasmius praeacutus*, Ell.  
 { *Polyporus circinatus*, Fr.  
 { *Mucronoporus circinatus*, Ell. & Ev.  
*Odontia fusca*, C. & E.  
*Ombrophila aurea*, Ell.  
*Ombrophila subaurea*, Cke.  
*Peziza ancilis*, Pers?  
*Peziza caucus*, Reb.  
 { *Phoma fibricola*, B.  
 { *Aposphaeria fibricola*, Sacc.  
 { *Polyporus farinellus*, Fr.  
 { *Polyporus tenellus*, N. A. F.  
 { *Poria farinella*, Cke.  
*Polyporus Schweinitzii*, Fr.  
*Solenia villosa*, Fr.  
*Xylographa parallela*, (Ach.) Fr.  
**Chamaecyparis sphaeroidea**, Spach.  
 { *Agaricus Campanella*, Batsch.  
 { *Omphalia Campanella*, Karst.  
*Agaricus (Armillaria) mellens*, Vahl.  
 { *Venturia cupressina*, Rehm.  
 { *Asterina cupressina*, Cke.  
*Coniothyrium subtile*, Cda.  
*Diplodia thyoidea*, C. & E.  
*Gymnosporangium biseptatum*, Ell.  
*Gymnosporangium biseptatum*, Ell., var.  
 foliicolum, Farl.  
 { *Podisoma Ellisii*, B.  
 { *Hamaspora Ellisii*, Körn.  
 { *Gymnosporangium Ellisii*, Farl.  
 { *Phragmidium Ellisii*, De Toni.  
*Hendersonia foliicola*, (B.) Fckl.  
*Hendersonia thyoides*, C. & E.  
 { *Hydnus subtile*, S. Am. bor.  
 { *Hydnus Ellisianum*, Thm.  
*Hypsotheca thujina*, Ell. & Ev.  
*Hysteromyxa effugiens*, Sacc. & Ell.  
 { *Nectria thujana*, (Rehm.) Sacc.  
 { *Dialonectria thujana*, Cke.  
 { *Nectria truncata*, Ell.  
 { *Dialonectria truncata*, Cke.  
? *Paxillus aurantiacus*, Ell.  
*Pestalozzia unicornis*, C. & E.  
*Peziza Cupressi*, Batsch.  
 { *Propolis grisea*, C. & E.  
 { *Nemacyclus griseus*, Sacc.  
**Cryptomeria Japonica**, Don.  
*Pestalozzia Cryptomeriae*, Cke.  
**Cupressus macrocarpa**, Hartw.  
*Diplodia cyparissa*, Cke. & Hark.  
 { *Sphaeria anisometra*, Cke. & Hark.  
 { *Metasphaeria anisometra*, Sacc.  
 { *Endophlaea anisometra*, Cke. & Hark.  
 { *Sphaeropsis Cupressi*, Cke. & Hark.  
 { *Macrophoma Cupressi*, Berl. & Vogl.  
*Pestalozzia funerea*, Desm.  
*Pestalozzia heterospora*, Desm.  
*Polyscytalum sericeum*, Sacc.  
**Cupressus**, sp. indet.  
 { *Dothidea Sequoiae*, Cke. & Hark.  
 { *Stigmata Sequoiae*, Sacc.  
**Juniperus communis**, L.  
*Coryneum juniperinum*, Ell.

Dermatea juniperina, Ell.  
 Guepinia elegans, B. & C.  
 { Gymnosporangium elavariaeforme, (Jacq.)  
 DC.  
 { Podisoma Juniperi, Cke.  
 Gymnosporangium clavipes, C. & P.  
 Gymnosporangium fuscum, DC. ?  
 { Sphaerella juniperina, Ell.  
 { Laestadia juniperina, Sacc.  
 Lophodermium juniperinum, (Fr.) De Not.  
 { Coryneum unicolor, M. A. Curtis.  
 { Pestalozzia unicolor, B. & C.  
*Juniperus communis*, L., var. *alpina*.  
 Gaud.  
 Coryneum paraphysatum, Rostrup.  
 Henriquesia cinerascens, (Duby) Sacc.  
 Lophodermium juniperinum, (Fr.) De Not.  
*Juniperus occidentalis*, Hook.  
 Gymnosporangium speciosum, Pk.  
 { Hysterium formosum, Cke.  
 { Hysterographium formosum, Sacc.  
*Juniperus squamata*, Don.  
 Discosia Artocreas, (Tode) Fr., var.  
 Juniperi, Rav. Fung. Am.  
 Peziza pitya, P.  
*Juniperus Virginiana*, L.  
 PYRENOMYCETES.  
 Ceratostoma juniperinum, Ell. & Ev.  
 { Sphaeria junipericola, S.  
 { Sphaeropsis junipericola, Cke.  
 { Cucurbitaria junipericola, Cke ?  
 { Sphaeria stipitata, S.  
 { Cucurbitaria stipitata, Cke ?  
 { Valsa cenisia, De Not.  
 { Cytopsora cenisia, Sacc.  
 { Sphaeria griseotincta, B. & C.  
 { Diaporthe griseotincta, Sacc.  
 Diatrype fibriflora, C. & E.  
 { Sphaeria acervalis, var. Juniperi, Desm.  
 { Gibberella acervalis, var. Juniperi-  
 Virginiana, Sacc.  
 { Hysterium tortile, S.  
 { Mytilidion tortile, Sacc.  
 { Hysterium Petersii, B. & C.  
 { Colpoma juniperinum, C. & P.  
 { Lophodermium Petersii, Sacc.  
 Melanopsamma cupressina, Ell. & Ev.  
 { Sphaeria thelebola, Fr.  
 { Valsa thelebola, Fr.  
 { Melanconis thelebola, Sacc.  
 { Sphaeria thyoidea, C. & E.  
 { Melogramma fuliginosum, Ell. p. p.  
 { Physalospora thyoidea, Sacc.  
 Microthyrium Juniperi, (Desm.) Sacc.  
 Mytilidion Juniperi, Ell. & Ev.  
 { Sphaeria deerrata, C. & E.  
 { Rosellinia deerrata, Sacc.  
 { Amphisphaeria deerrata, Cke.

Valsa Abietis, Fr.  
 Valsa coryneoides, B. & C. in Herb. B.  
 Valsa juniperina, Cke.

## FUNGI IMPERFECTI.

Cercospora Sequoiae, Ell. & Ev., var.  
 Juniperi, Ell. & Ev.  
 { Sporidesmium larvatum, C. & E.  
 { Clasterisporium larvatum, Sacc.  
 Diplodia Virginiana, Cke.  
 Discosia alnea, (P.) B.  
 Discosia Virginiana, Thm.  
 ? Phoma longipes, B. & C.  
 Sphaeropsis Juniperi, Pk.  
 Stilbum lichenoides, B. & C.  
 Streptothrix abietina, Pk.  
 Streptothrix atra, B. & C.  
 Zygodesmus rudis, Ell.

## DISCOMYCETES.

{ Cenangium deformatum, Pk.  
 { Cenangiella deformata, Sacc.  
 Cenangium Sequoiae, Plow.  
 Patellaria dispersa, Gerard.  
 { Peziza cedrina, Cke. & Gerard.  
 { Lachnella cedrina, Sacc.  
 { Peziza Cupressi, Batsch.  
 { Peziza cupressina, Fr.  
 { Peziza incrassata, Ell.  
 { Pseudohelotium incrassatum, Sacc.

## UREDINEAE.

Aecidium Bermudianum, Farl.  
 { Gymnosporangium clavipes, C. & P.  
 { Gymnosporangium Juniperi, var. clavipes,  
 Cke.  
 { Podisoma Gymnosporangium, var.  
 clavipes, Cke.  
 Podisoma fuscum, Auct. Amer. p.p.  
 Gymnosporangium fuscum, var. globosum,  
 Farl.  
 Gymnosporangium Sabinae, var. globosum,  
 Trelease.  
 Gymnosporangium globosum, Farl.  
 Gymnosporangium Juniperi-Virginianae, S.  
 Gymnosporangium macropus, Lk.  
 Gymnosporangium Virginianum, Spreng.  
 Podisoma Juniperi-Virginianae, Fr.  
 Podisoma macropus, Lk.  
 Podisoma Juniperi, Auct. Amer. p.p.  
 Gymnosporangium Juniperi, Auct. Amer.  
 p.p.  
 Gymnosporangium conicum, Auct. Amer.  
 p.p.  
 Gymnosporangium juniperinum, Auct. ~~ILL~~  
 Amer. p.p.  
 Gymnosporangium clavipes, Farl. nec  
 C. & P.  
 Gymnosporangium Nidus-avis, Thaxter.

## HYMENOMYCETES.

{ Stereum acerinum, var. nivosum, Cke.  
 { Corticium acerinum, var. nivosum, Thm.

- { *Corticium brunneolum*, B. & C.
- { *Coniophora brunneola*, Sacc. Syll.
- Corticium calceum*, Fr.
- { *Hymenochaete Ellisii*, B. & Cke.
- { *Corticium (Coniophora) Ellisii*, Cke.
- { *Coniophora Ellisii*, Sacc. Syll.
- Crucibulum vulgare*, Tul.
- Cyphella cupulaeformis*, B. & Rav.
- Grandinia tabacina*, C. & E.
- { *Polyporus sericeohirsutus*, Klotzsch.
- { *Hexagona sericea*, Fr.
- { *Hexagona sericeohirsuta*, M. A. Curtis.
- Kneiffia candidissima*, B. & C.
- Kneiffia setigera*, Fr.
- Peniophora flavidoolba*, Cke.
- Polyporus carneus*, Nees.
- { *Polystictus barbatulus*, Fr.
- { *Polyporus barbatulus*, Rav.
- Porothelium Friesii*, Mont.
- Trametes sepium*, B.
- Juniperus*, sp. indet.**
- Agyrium rufum*, (P.) Fr.
- { *Phoma fabricola*, B.
- { *Aposphaeria fabricola*, Sacc.
- Cantharellus Petersii*, B. & C.
- { *Corticium cervicolor*, B. & C.
- { *Asterostroma cervicolor*, Massee.
- Corticium deglubens*, B. & C.
- Dendryphium Ellisii*, Cke.
- Diplodia cupressina*, Cke.
- Epicoccum scabrum*, Cda.
- Grandinia papillata*, B. & C.
- Gymnosporangium fuscum*, DC.?
- Hydnnum Caput-medusae*, Bull.
- Illosporium coccinellum*, Cke.
- { *Sphaeria inusta*, Cke.
- { *Kalmusia inusta*, Sacc.
- { *Xylosphaeria inusta*, Cke.
- Ombrophila aurea*, Ell.
- { *Peziza flexella*, (Ach.) Fr.
- { *Patinella flexella*, Sacc.
- { *Dothidea sphaeroidea*, Cke.
- { *Phyllachora sphaeroidea*, Cke.
- Polyporus abietinus*, (Dicks.) Fr.
- ? { *Polyporus leucolomeus*, Lev.
- ? { *Poria leucolomea*, Cke.
- Polyporus vulgaris*, Fr., var. *calceus*, Fr.
- Sphaeria pustulata*, P.
- { *Sporidesmium larvatum*, C. & E.
- { *Clasterosporium larvatum*, Sacc.
- Sporidesmium rude*, Ell.
- Stereum hirsutum*, (Willd.) Fr.
- Streptothrix fusca*, Cda.
- { *Sphaeria albocincta*, C. & E.
- { *Zignoella albocincta*, Sacc.
- { *Conisphaeria albocincta*, C. & E.
- Zygodesmus bicolor*, C. & E.

***Libocedrus decurrens*, Torr.**

- { *Cucurbitaria macilenta*, C. & E.
- { *Wallrothiella macilenta*, Sacc.
- { *Gibberidea macilenta*, C. & E.
- Daedalea vorax*, Hark.
- Gymnosporangium biseptatum*, Ell.
- { *Peziza alutipes*, Phil.
- { *Phialea alutipes*, Sacc.

***Thuja occidentalis*, L.**

- { *Sphaeria thujina*, Pk.
- { *Amphisphaeria thujina*, Sacc.
- Coniosporium punctoideum*, Karst.
- { *Peziza rubella*, P.
- { *Ombrophila rubella*, Quel.
- { *Daeryomyces conglobatus*, Pk.
- Diplodia thujina*, Pk. & Clinton.
- Hymenochaete tenuis*, Pk.
- Hysterium Thujarum*, C. & P.
- Hysterium tortile*, S.
- Pestalozzia conigena*, Lev.
- { *Peziza Cupressi*, Batsch.
- { *Peziza cupressi*, Fr.
- { *Pitya cupressina*, Fckl.
- { *Helotium thujinum*, Pk.
- { *Pitya Cupressi*, Sacc.
- { *Pitya thujina*, Sacc.
- { *Peziza enterochroma*, Pk.
- { *Ombrophila enterochroma*, Sacc.
- Phoma magnifructa*, Pk.
- Sphaerella conigena*, Pk.
- Sphaerella Pinsapo*, Thm.
- { *Periconia corticalis*, C. & P.
- { *Sporocybe corticalis*, Sacc.
- Valsa Thujae*, Pk.

***Thuja*, sp. indet.**

- { *Phoma albistrata*, Pk.
- { *Coniothyrium albistratum*, Sacc.
- Cylindrium elongatum*, Bon.
- Cytospora Thujae*, Sacc. & Ell.
- Micropora tenella*, Sacc. & Ell.
- Pestalozzia foedans*, Sacc. & Ell.
- Pestalozzia funerea*, Desm.
- Valsa Thujae*, Pk., var. *foliicola*, Ell. & Ev.

***Taxaceae*.*****Taxus Canadensis*, Willd.**

- Agaricus (Mycena) Leaianus*, B.
- Agaricus terraeolens*, Pk.
- { *Sphaeria taxicola*, Pk.
- { *Leptosphaeria taxicola*, Sacc.
- { *Heptameria taxicola*, Cke.
- Merulius subaurantiacus*, Pk.
- { *Sphaeria Taxi*, Sow.
- { *Diplodia Taxi*, DeNot.

*Taxodiaceae.**Sequoia gigantea*, Decaisne.

{ *Cenangium Sequoiae*, Plow.  
 { *Scleroderris Sequoiae*, Sacc.

*Cercospora Sequoiae*, Ell. & Ev.*Clavaria cristata*, P.*Daeryomyces stillatus*, Nees.*Hydnus niveum*, P.*Mytilidion Californicum*, Ell. & Hark.*Peziza bulgarioides*, Rabh.

{ *Peziza Sequoiae*, Phil.  
 { *Lachnea Sequoiae*, Sacc.

{ *Sphaeria consociata*, Ell. & Hark.  
 { *Physalospora consociata*, Sacc.

{ *Laestadia consociata*, Cke.  
 { *Venturia Sequoiae*, Plow.

{ *Acanthostigma Sequoiae*, Sacc.  
 { *Sphaeria Sequoiae*, Plow.

{ *Zignoella Sequoiae*, Sacc.  
 { *Conisphaeria Sequoiae*, Cke.

*Sequoia sempervirens*, Endl.*Sphaeria Wellingtoniae*, Cke. & Hark.

{ *Amphisphaeria Wellingtoniae*, Berl. & Vogl.  
 { *Xylosphaeria Wellingtoniae*, Cke. & Hark.

*Corticium caeruleum*, (Schrad.) Fr.*Corticium lacteum*, Fr.*Corticium sanguineum*, Fr.*Corticium umbrinum*, A. & S.*Cytospora Pinastri*, Fr.*Hymenochaete tabacina*, (Sow.) Lev.*Hypocrea rufa*, (P.) Fr.*Hysterium angustatum*, P.*Lasiosphaeria canescens*, (P.) Karst.*Leptostroma Sequoiae*, Cke. & Hark.

{ *Sphaeria confertissima*, Plow.  
 { *Melanopsamma confertissima*, Sacc.

*Merulius molluscus*, Fr.*Morchella conica*, P.*Mystrosporium turbinatum*, Cke. & Hark.*Myxotrichum ochraceum*, B. & Br.*Naematelia encephala*, (Willd.) Fr.

{ *Peziza acuum*, A. & S.  
 { *Dasycephala acuum*, Sacc.

{ *Peziza chloromela*, Phil. & Hark.  
 { *Chlorosplenium chloromelum*, Sacc.

*Peziza Cupressi*, Batsch.*Peziza cupressina*, Fr.*Pitya cupressina*, Fckl.*Pitya Cupressi*, Sacc.*Peziza fusca*, P.

{ *Peziza gemmea*, Phil.  
 { *Barlaea gemmea*, Sacc.

*Peziza pitya*, P.*Pitya vulgaris*, Fckl.

{ *Peziza sphaerophoroides*, Phil. & Hark.  
 { *Helotium sphaerophoroides*, Sacc.

*Peziza ustorum*, B. & Br.

{ *Rosellinia mutans*, (C. & P.) Sacc.  
 { *Byssosphaeria mutans*, Cke.

*Solenia fasciculata*, P.*Stictis versicolor*, Fr.*Tremella mesenterica*, Retz.*Tremellodon gelatinosum*, (Scop.) Fr.*Sequoia* sp. indet.

{ *Polyactis vulgaris*, Lk.  
 { *Botrytis vulgaris*, Fr.

*Peziza carbonaria*, A. & S.*Sporidesmium induratum*, Cke.*Taxodium distichum*, Richard.*Aulographum caespitosum*, Ell. & Ev.*Cenangium fallax*, B. & Rav.

{ *Peziza chlorascens*, S.  
 { *Chlorosplenium repandum*, Fr.

{ *Coniothecium effusum*, Cda.  
 { *Sporidesmium Lepraria*, B.

*Cytospora pallida*, Ell. & Ev.*Daedalea sepium*, B.

{ *Hysterium lineare*, B. nec Fr.  
 { *Hysterium lineariforme*, Sacc.

*Melanopsamma cupressina*, Ell. & Ev.

{ *Peziza pomicolor*, B. & Rav.  
 { *Pseudohelotium pomicolor*, Sacc.

{ *Trichopeziza pomicolor*, Sacc.  
 { *Peziza Taxodii*, B.

{ *Blitrydium Taxodii*, Sacc.  
 { *Polyporus Stephensii*, B. & Br.

{ *Trametes serpens*, Fr.  
 { *Sphaerella Taxodii*, Cke.

*Sphaeria (Metasphaeria) cavernosa*, Ell. & Ev.

{ *Trametes sepium*, B.  
 { *Coniferae*, sp. indet.

{ *Hypoxylon Beaumontii*, B. & C.  
 { *Valsaria* ? *Beaumontii*, Sacc.

*Omphalia umbellifera*, (L.) var. *abiegnus*, Pk.

*Patellaria subvelata*, Ell. & Ev.*Peziza connivens*, Fr.*Plebia vaga*, Fr.*Phoma Pini*, Cke. & Hark.*Sphaeria (Winteria) coerulea*, Ell. & Ev.

## GNETACEAE.

*Ephedra*, sp. indet.

{ *Aecidium Pini*, var. *Ephedrae*, B. & C.  
 { *Peridermium Pini*, var. *minor*, B. & C.  
 { *Peridermium Ephedrae*, Cke.

## CYCADACEAE.

*Cycas*, sp. indet.*Chaetophoma Cycadis*, Cke.*Macrosporium commune*, Rabh.

## CRYPTOGAMIA.

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### EQUISETACEAE.

#### *Equisetum arvense*, L.

Gloeosporium Equiseti, Ell. & Ev.  
Leptosphaeria arvensis, Speg.  
Peziza Persooni, Moug.  
Stamnaria Equiseti, (Hoffm.) Sacc.

#### *Equisetum hiemale*, L.

Excipula Equiseti, Pk.  
Amerosporium Equiseti, Sacc.  
Peziza Persoonii, Moug.  
Stamnaria Equiseti, (Hoffm.) Sacc.

Stictis Saccardoi, Rehm.

#### *Equisetum laevigatum*, Braun.

Gloeosporium Equiseti, Ell. & Ev.  
Leptosphaeria Equiseti, Karst.

#### *Equisetum*, sp. indet.

Epicoccum Equiseti, B.  
Helotium cyathoideum, (Bull.) Karst.  
Septoria Equiseti, Desm.

### FILICES.

#### *Aspidium marginale*, Swz.

Fusidium Pteridis, Kalchb.

#### *Aspidium*, sp. indet.

Leptostroma Aspidiorum, S.

#### *Cheilanthes Pringlei*, Davenport.

Caeoma Cheilanthis, Pk.

#### *Cystopteris fragilis*, Bernh.

Uredo Polypodii, (P.) DC.  
Caeoma Filicum, Lk.  
Uredo Filicum, Chev.  
Uredo Aspidiotus, Pk.  
Uredo Phegopteris, Auct. Amer.

#### *Onoclea sensibilis*, L.

Agaricus pterigenus, Fr.  
Mycena pterigena, Sacc. Syll.  
Septoria mirabilis, Pk.  
Uredo macrosperma, Cke.  
Gloeosporium Phegopteridis, Pass.  
Melampsora Scolopendrii, (Fckl.) Farl.

?Uredo Filicum, (Lk.) Chev.

Vermicularia filicina, S.

#### *Onoclea Struthiopteris*, Hoffm.

?Leptostromella filicina, (B. & C.) Sacc.

#### *Osmunda cinnamomea*, L.

Cyphella candida, Pk.  
Cyphella Peckii, Sacc.  
Cryptosporium filicinum, B. & C.  
Leptostromella filicina, Sacc.  
Solenia filicina, Pk.  
Stictis filicina, Pk.  
Typhula filicina, Pk.

#### *Osmunda regalis*, L.

Caeoma (Aecidium) osmundatum, S.  
Hysterium Osmundae, S.  
Hypoderma Osmundae, Sacc.  
Dothidea Osmundae, Clinton.  
Dothidella Osmundae, Sacc.  
Phyllachora Osmundae, Cke.  
Ustilago Osmundae, Pk.

#### *Osmunda*, sp. indet.

Leptostroma filicinum, Fr.  
Leptostroma litigiosum, Desm.  
Peziza frondicola, Ell. & Ev.  
Pirottaea frondicola, Sacc.  
Peziza Osmundae, C. & E.  
Trichopeziza Osmundae, Sacc.  
Peziza Pteridis, A. & S.  
Peziza tenella, C. & E.  
Mollisia tenella, Sacc.  
Peziza virginea, Batsch.  
Vermicularia filicina, S.

#### *Pellaea gracilis*, Hook.

Uredo Polypodii, (P.) DC.

#### *Phegopteris Dryopteris*, Fée.

Uredo Polypodii, (P.) DC.  
Uredo Aspidiotus, Pk.

#### *Polypodium vulgare*, L.

Uredo Filicum, (Lk.) Chev.

#### *Pteris aquilina*, L.

Agyrium herbarum, Fr.  
Cladosporium grumosum, (P.) Lk.  
Sphaeria pteridicola, B. & C.  
Didymella pteridicola, Sacc.  
Gloeosporium necans, Ell. & Ev.  
Gloeosporium leptospermum, Pk.  
Gloeosporium Pteridis, Hark.

Hysterium Pteridis, S.  
Hypoderma Pteridis, Sacc.

Leptostroma filicinum, Fr.

Sphaeria epipteridis, Cke. & Hark.  
Metasphaeria epipteridea, Sacc.

- { *Peziza Pteridis*, A. & S.
- { *Trichopeziza Pteridis*, Rehm.
- { *Trichopeziza pulverulenta*, Thm. Myc. Univ.
- { *Leptostroma litigiosum*, Desm.
- { *Dothidea Filicium*, S.
- { *Phyllochora Filicium*, Sacc.
- { *Sphaeria flabellata*, S.
- { *Dothidea flabellata*, B. & C.
- { *Phyllochora flabellata*, Sacc.
- { *Dothidea leptostromoidea*, Cke.
- { *Phyllochora leptostromoidea*, Cke.
- { *Dothidea Pteridis*, (Reb.) Fr.
- { *Phyllochora Pteridis*, Fckl.
- { *Sphaeria filicina*, Fr.
- { *Dothidea filicina*, Fr.
- { *Rhopographus filicinus*, Nits.
- Sphaerella indistincta*, Pk.
- { *Sphaeria aquilina*, Fr.
- { *Spaerella aquilina*, Awd.
- Uredo Filicum*, (Lk.) Chev.
- Filices*, sp. indet.
- Cyphella filiciola*, B. & C.
- Leptostromella filicina*, (B. & C.) Sacc.
- { *Dialonectria filicina*, Cke. & Hark.
- { *Nectria filicina*, Berl. & Vogl.
- Phoma aquilina*, Sacc. & Penz.

## LYCOPODIACEAE.

- Lycopodium alpinum*, L.
- Leptosphaeria Crepini*, (Westd.) DeNot.
- Lycopodium annotinum*, L.
- { *Sphaeria Crepini*, Westd.
- { *Leptosphaeria Crepini*, DeNot.
- { *Heptameria Crepini*, Cke.
- { *Sphaeria lycopodina*, Mont.
- { *Leptosphaeria lycopodina*, Sacc.
- { *Heptameria lycopodina*, Cke.
- { *Sphaeria Marciensis*, Pk.
- { *Leptosphaeria Marciensis*, Sacc.
- { *Heptameria Marciensis*, Cke.
- Lycopodium clavatum*, L.
- { *Leptosphaeria lycopodiocola*, Pk.
- { *Heptameria lycopodiocola*, Cke.
- Sphaerella Lycopodii*, Pk.
- Lycopodium Selago*, L.
- { *Sphaeria Marciensis*, Pk.
- { *Leptosphaeria Marciensis*, Sacc.
- Lycopodium*, sp. indet.
- { *Sphaeria Lycopodii*, B. & C.
- { *Metasphaeria Lycopodii*, Sacc.

## MUSCI.

- Bartramia pomiformis*, Hedw.
- Cladosporium epibryum*, Cke. & Massee.
- Bartramia*, sp. indet,
- Dematiaceum Muscorum*, Schleich.

- Climacium Americanum*, Brid.
- { *Pistillaria musicola*, (P.) Fr.
- { *Typhula musicola*, Fr.
- Dicranum scoparium*, Hedw.
- Vermicularia thecicola*, S.
- Encalypta rhabdocarpa*, Schwaegr.
- Grimmia Donniana*, Smith.
- Grimmia ovata*, Web. & Mohr.
- Cladosporium epibryum*, Cke. & Massee.
- Hypnum delicatulum*, L.
- Helotium bryogenum*, Pk.
- Pistillaria musicola*, (P.) Fr.
- Hypnum Nuttallii*, Wils.
- Leptosphaeria bryophila*, Sacc.
- Polytrichum formosum*, Hedw.
- { *Hendersonia Rauii*, Ell.
- { *Stagonospora Rauii*, Sacc.
- Polytrichum juniperinum*, Willd.
- Coniosporium Polytrichi*, Pk.
- Macrosporium Polytrichi*, Pk.
- Septoria thecicola*, B. & Br.
- Ptychomitrium Gardneri*, Lesq.
- Cladosporium epibryum*, Cke. & Massee.
- Sphagnum*, sp. indet.
- { *Agaricus paluster*, Pk.
- { *Mycena palustris*, Sacc. Syll
- Agaricus Sphagnorum*, P.
- Agaricus umbelliferus*, L.
- Botrytis rhinotrichoides*, Sacc. & Ell.
- Botrytis Sphagnorum*, Cke.
- Lizonia Sphagni*, Cke.
- Uloota phyllantha*, Brid.
- Cladosporium epibryum*, Cke. & Massee.
- Musci*, sp. indet.
- { *Agaricus delicatulus*, Pk.
- { *Nolanea delicatula*, Sacc. Syll.
- { *Agaricus furfuraceus*, P.
- { *Tubaria furfuracea*, W. Smith.
- Agaricus Hypnorum*, Batsch.
- Agaricus (Tubaria) Muscorum*, Hoffm.
- { *Agaricus sphaerosporus*, B.
- { *Omphalia sphaerospora*, Sacc. Syll.
- { *Agaricus tremulus*, Schaeff.
- { *Pleurotus tremulus*, Quel.
- Badhamia lilacina*, (Fr.) Rostf.
- Botrytis Micheneri*, B. & C.
- Cantharellus muscigenus*, (Bull.) Fr.
- Cantharellus Muscorum*, (Roth.) Fr.
- { *Diderma gasterodes*, Phil.
- { *Chondrioderma gasterodes*, Cke.
- Clavaria tenuis*, S.
- Cyphella galeata*, (Schum.) Fr.
- Cyphella muscigena*, (P.) Fr.
- Helvella lacunosa*, Afz.
- Hygrophorus coccineus*, Fr.
- Oligonema brevifilum*, Pk.

- { *Perichaena flavidum*, Pk.
- { *Oligonema flavidum*, Pk.
- Peziza axillaris*, Nees.
- Peziza cerea*, Sow.
- Peziza subcarnea*, C. & P.
- { *Polyporus Macouni*, Pk.
- { *Polyporus dichrous*, Fr., var. *Macouni*,  
Sacc. Syll.
- { *Reticularia affinis*, B. & C.
- { *Trichosporium Curtisii*, Masssee.
- Rhizoctonia Muscorum*, Fr.
- Thelephora cristata*, (P.) Fr.
- Thelephora scoparia*, Pk.

## HEPATICAE.

- Jungermannia*, sp. indet.
- { *Sphaeria muscivora*, B. & Br.
- { *Nectria muscivora*, Cke.
- { *Calonectria muscivora*, Sacc.
- Hepaticae*, sp. indet.
- { *Peziza subcarnea*, C. & P.
- { *Phialea subcarnea*, Sacc.

## LICHENES.

- Cladonia cariosa*, (Ach.) Spreng.
- Sphaeropsis Cladoniae, Ell. & Ev.
- Lecidea*, sp. indet.
- Capillaria rhizomorphina, S.
- Parmelia saxatilis*, (L.) Fr.
- { *Dothidea Piggotii*, B. & Br.
- { *Homostegia Piggotii*, Karst.
- Parmelia*, sp. indet.
- { *Diplodia Parmeliae*, B. & C.
- { *Diplodina Parmeliae*, Sacc.
- { *Nectria lecanodes*, Wint.
- { *Nectria diplocarpa*, Ell. & Ev.
- { *Sphaeria Peltigerae*, Mont.
- { *Rhaphidospora Peltigerae*, Mont.
- Peltigera aphthosa*, (L.) Hoffm.
- Illosporium carneum, Fr.
- Peltigera*, sp. indet.
- { *Agaricus peltigerinus*, Pk.
- { *Clitocybe peltigerina*, Sacc. Syll.
- Pertusaria communis*, DC.
- Illosporium coccineum, Fr.
- Pertusaria*, sp. indet.
- Spinctrina turbinata, (P.) Fr.
- Physcia obscura*, (Ehrh.) Nyl.
- Illosporium roseum, (Schreb.) Mart.
- Sticta pulmonaria*, (L.) Ach.
- Celidium Stictarum, Tul.
- Usnea barbata*, (L.) Fr.
- Fusarium barbatum, Ell. & Ev.
- Lichenes*, sp. indet.
- Dematium rupicolum, Lk.
- Dendrodochium subeffusum, Ell. & Ev.
- Nectria rubefaciens, Ell. & Ev.
- Stigmatella aurantiaca, B. & C.

## FUNGI.

## MYXOMYCETES.

- Arcyria cinerea*, (Bull.) Schum.
- Stilbum echinatum, Ell. & Ev.
- Stilbum tomentosum, Schrad.
- Arcyria*, sp. indet.
- Verticillium Rexianum, Sacc.
- Chondrioderma spumariooides*, (Fr.) Rostf.
- { *Nectria Rexiana*, Ell.
- { *Lasionectria Rexiana*, Cke.
- Hemiarcyria clavata*, (P.) Rostf.
- Stilbum tomentosum, Schrad.
- Physixrum*, sp. indet.
- Verticillium botryoides, Sacc.
- Stemonitis*, sp. indet.
- Botrytis rhinotrichoides, Sacc. & Ell.
- Trichia varia*, P.
- Stilbum capillare, Ell. & Ev.

## PYRENOMYCETES.

- Bertia moriformis*, (Tode) De Not.
- Barya parasitica, Fckl., var. caespitosa, Pk.
- Botryosphaeria Hibisci*, (L.) Sacc.
- Stigmatella aurantiaca, B. & C.
- Diatrype platystoma*, (S.) M. A. Curtis.
- { *Nectria poliosa*, Ell. & Ev.
- { *Lasionectria poliosa*, Ell. & Ev.
- Diatrype Stigma*, (Hoffm.) Fr.
- { *Sphaeria cerea*, B. & C.
- { *Calonectria cerea*, Sacc.
- Cenangium episphaerium, S.
- { *Thelephora episphaeria*, Fr.
- { *Corticium episphaerium*, M. A. Curtis.
- { *Hymenochaete episphaeria*, Masssee.
- { *Sphaeria episphaeria*, Tode.
- { *Nectria episphaeria*, Fr.
- { *Dialonectria episphaeria*, Cke.
- { *Tremella fragiformis*, S. Syn. Car.
- { *Hypsilophora fragiformis*, Cke.
- Lophiostoma Floridanum, Ell. & Ev.
- Melanomma parasiticum, Ell. & Ev.
- ?Nectria poliosa, Ell. & Ev.
- Ophionectria Everhartii, Ell. & Gall.
- { *Dothidea episphaeria*, Pk.
- { *Phyllachora episphaeria*, Sacc.
- Teichospora mycogena, Ell. & Ev.
- Diatrype tremellophora*, Ell.
- Byssosphaeria barbicincta, Ell. & Ev.
- { *Stictis parasitica*, Ell. & Ev.
- { *Propolis parasitica*, Sacc.
- Diatrype*, sp. indet.
- Cornularia Persicae, (S.) Sacc.
- Cucurbitaria setosa, Ell. & Ev.
- { *Fusisporium episphaericum*, C. & E.
- { *Fusarium episphaericum*, Sacc.

*Helminthosporium episphaericum*, C. & P.  
*Sporotrichum anceps*, Sacc. & Ell.  
*Dichaena quercina*, (P.) Fr.  
 Titaea Clarkei, Ell. & Ev.  
*Dichaena strumosa*, Fr.  
 { *Helotium strumosum*, Ell. & Ev.  
 { *Pseudohelotium strumosum*, Sacc.  
*Hypothecea subcorticalis*, (C. & E.) Ell.  
 & Ev.  
 Titaea Clarkei, Ell. & Ev.  
*Dimerosporium Collinsii*, (S.) Thm.  
 { *Fusisporium parasiticum*, Pk.  
 { *Fusarium Peckii*, Sacc.  
*Dothidea Kalmiae*, Pk.  
 Peziza Kalmiae, Pk.  
*Epichloe typhina*, (P.) Tul.  
 { *Capillaria Sphaeriae-typhinae*, Cda.  
 { *Botrytis Sphaeriae-typhinae*, Sacc.  
*Erysiphiae variae*.  
 Cicinnobolus Cesatii, DBy.  
*Eutypa limaeformis*, (S.) B.  
 Cenangium episphaerium, S.  
*Eutypella lutescens*, (Ell.) Sacc.  
 { *Nectria lasioderma*, Ell.  
 { *Lasionectria lasioderma*, Cke.  
*Eutypella stellulata*, (Fr.) Sacc.  
 { *Nectria episphaeria*, (Tode) Fr.  
 { *Dialonectria episphaeria*, Cke.  
*Hypoxyton coccineum*, Bull.  
 Botrytis geniculata, Cda.  
 Tubercularia fungicola, Pk.  
*Hypoxyton Morsei*, B. & C.  
 Helotium episphaericum, Pk.  
 Lophiotrema parasiticum, Pk.  
*Hypoxyton Sassafras*, (S.) B.  
 Melanomma Commonsii, Ell. & Ev.  
*Hypoxyton Tinctor*, (B.) Cke.  
 { *Sphaerostilbe gracilipes*, Tul.  
 { *Stilbum coryneoides*, Ell. & Ev.  
 { *Graphium coryneoides*, Sacc.  
*Hypoxyton*, sp. indet.  
 { *Amphisphaeria Hypoxylon*, Ell. & Ev.  
 { *Melanomma Hypoxylon*, Cke.  
 Botrytis atroviridis, C. & E.  
 Botrytis geniculata, Cda.  
 Clasterosporium herculeum, Ell.  
 Nectria aglaeothicle, B. & C.  
 { *Nectria episphaeria*, (Tode.) Fr.  
 { *Dialonectria episphaeria*, Cke.  
 Peziza episphaeria, Mart.  
 Sphaeropsis parasitans, B. & Rav.  
 Venturia parasitica, Ell. & Ev.  
*Massaria sudans*, B. & C.  
 Valsa parasitica, C. & E.  
*Massaria*, sp. indet.  
 Calonectria Dearnessii, Ell. & Ev.

*Nummularia Bulliardii*, Tul. ?  
*Sphaeria sphaerincola*, S.  
*Plowrightia morbosa*, (S.) Sacc.  
*Nectria coccinea*, (P.) Fr.  
*Hendersonula morbosa*, Sacc.  
*Sphaeronema Persicae*, (S.) Ell.  
 { *Periconia sphaerophila*, Pk.  
 { *Sporocybe sphaerospila*, Sacc.  
*Sphaeria clypeata*, Nees.  
 Sphaeria lagenaria, P.  
*Sphaeria*, sp. indet.  
 { *Sphaeria scabriseta*, S.  
 { *Eutypa scabriseta*, B.  
 { *Valsa scabriseta*, Cke.  
 { *Calosphaeria scabriseta*, Sacc.  
 { *Nectria diploa*, B. & C., var. *diminuta*, B.  
 { *Nectria diminuta*, Sacc.  
 { *Dialonectria diminuta*, Cke.  
 { *Dialonectria diploa*, var. *diminuta*, Ell.  
 & Ev.  
 { *Calonectria diminuta*, Berl. & Vogl.  
*Cladosporium episphaerium*, S.  
 { *Sphaeria viridiatra*, S.  
 { *Coniochaeta viridiatra*, Cke.  
 Dematium episphaericum, S.  
 Dematium virescens, P.  
 { *Mucor Fimbria*, Nees.  
 { *Hydrophora Fimbria*, Fr.  
 Nectria sanguinea, (Sibth.) Fr.  
 { *Dactylium sublutescens*, Pk.  
 { *Trichothecium sublutescens*, Sacc.  
*Triblidiella rufula*, (Spreng.) Sacc.  
 Peziza Ravenelii, B. & C.  
*Ustulina vulgaris*, Tul.  
 Isaria congesta, B. & C.  
 { *Nectria episphaeria*, (Tode) Fr.  
 { *Dialonectria episphaeria*, Cke.  
*Valsa Abietis*, Fr.  
 Sphaeria (Nectria) Purtoni, (Grev.) Curr.  
*Valsa didymospora*, Ell.  
 Cenangium microspermum, Sacc. & Ell.

## FUNGI IMPERFECTI.

*Cercospora Polygonorum*, Cke.  
 Botrytis hypophylla, Ell. & Kell.  
*Fusarium roseum*, Lk.  
 Epicoccum purpurascens, Ehrb.  
*Helminthosporium Ravenelii*,  
 M. A. Curtis.  
 { *Dactylium Helminthosporii*, Thm.  
 { *Trichothecium Helminthosporii*, Sacc.  
 Trichothecium roseum, Fr.  
*Helminthosporium*, sp. indet.  
 Helicosporium brunneolum, B. & C.  
*Micropora*, sp. indet.  
 { *Sphaeronema Microporae*, Cke.  
 { *Sphaerographium Microporae*, Sacc.

*Rhinotrichum*, sp. indet.

*Helicosporium griseum*, B. & C.

*Sphaeropsis*, sp. indet.

*Cheiromyces stellatus*, B. & C.

*Thyrsidium botryosporum*, (Fr.) Mont.

*Periconia parasitica*, Pk.

*Tubercularia*, sp. indet.

*Tetracolium Tuberculariae*, (Nees) Lk.

### DISCOMYCETES.

*Cenangium turgidum*, S.

  { *Patellaria cenangicola*, Ell. & Ev.  
    { *Patellea cenangicola*, Sacc.

*Dermatea olivacea*, Ell.

*Oospora hyalinula*, Sacc.

*Geoglossum ophioglossoides*, (L.) Sacc.

*Hypomyces Geoglossi*, Ell. & Ev.

*Papulaspora candida*, Sacc.

*Verticillium agaricinum*, (Lk.) Cda., var.  
    *clavisedum*, Sacc.

*Geoglossum hirsutum*, P.

*Hypomyces Geoglossi*, Ell. & Ev.

*Helvelia elastica*, Bull.

  { *Mycogone cervina*, Ditm.

    { *Sepedonium cervinum*, Fr.

*Patellaria nigrocinnabarinata*, S.

  { *Peziza Ravenelii*, B. & C.  
    { *Cenangium Ravenelii*, Sacc.

*Peziza hemispherica*, Wigg.

*Asterophora Pezizae*, Cda.

*Peziza macropus*, P.

  { *Mycogone cervina*, Ditm.  
    { *Sepedonium cervinum*, Fr.

*Peziza hinnulea*, B. & Br.

  { *Gymnosporium fulvum*, B. & C.  
    { *Chromosporium fulvum*, Sacc.

*Peziza*, sp. indet.

*Mucor albovirens*, Fr.

*Rhytisma acerinum*, (P.) Fr.

*Exosporium sociatum*, Ell. & Ev.

*Spathularia*, sp. indet.

*Hypocrea alutacea*, (P.) Ces. & DeNot.

*Taphrina coerulescens*, (Mont. & Desm.)

  Tul.

*Pestalozzia taphrinicola*, Ell. & Ev.

*Phoma parasitica*, Ell. & Ev.

### AGARICINI.

*Agaricus abortivus*, B. & C.

  { *Sporodinia grandis*, Lk.  
    { *Sporodinia Aspergillus*, (Scop.) Schrt.

*Agaricus dryophilus*, Bull.

*Tremella mycetophila*, Pk.

*Agaricus melleus*, Vahl.

*Aspergillus repens*, (Cda.) Sacc.

*Cladosporium epimyces*, Cke.

*Sterigmatocystis butyracea*, Bain.

*Agaricus salignus*, P.

*Sphaeria cladosporiosa*, S.

*Agaricus sphaerosporus*, B.

*Stilbum arcticum*, B.

*Agaricus velutinus*, P.

  { *Mucor ramosus*, Bull.  
    { *Aspergillus maximus*, Ehrb.  
      { *Sporodinia grandis*, Lk.  
        { *Syzygites megalocarpus*, Ehrb.  
          { *Sporodinia dichotoma*, Cda.  
            { *Mucor Syzygites*, DBy.  
             { *Sporodinia Aspergillus*, (Scop.) Schrt.

*Agaricus*, sp. indet.

*Aspergillus candidus*, Lk.

*Aspergillus virens*, Lk.

*Botrytis ramosa*, S. Syn. Car.

*Dactylium dendroides*, (Bull.) Fr.

  { *Nectria perforata*, Ell. & Holw.  
    { *Dialonectria perforata*, Ell. & Holw.

*Diplocladium minus*, Bon.

  { *Sphaeria subulata*, Tode.  
    { *Sphaeronomia subulatum*, Fr.  
      { *Zythia subulata*, S.  
        { *Eleutheromyces subulatus*, Fckl.

*Heterosporium fungicolum*, Ell. & Ev.

*Hypomyces ochraceus*, (P.) Tul.

  { *Hypocrea tomentosa*, B.

    { *Hypomyces tomentosus*, B.

  { *Isaria agaricina*, P.

    { *Isaria brachiata*, (Batsch) Schum.

  { *Monilia candida*, Pk.

    { *Monilia mycophila*, Sacc.

*Mucor flavidus*, P.

  { *Mucor fusiger*, Lk.

    { *Spinellus fusiger*, Van Tiegh.

*Myrothecium fungicolum*, Pk.

*Myrothecium inundatum*, Tode.

*Sporotrichum agaricinum*, Lk.

*Stilbum byssinum*, P.

*Cantharellus aurantiacus*, (Wulf.) Fr.

  { *Sphaeria aurantia*, P.

    { *Hypomyces aurantius*, Tul.

*Cantharellus cibarius*, Fr.

*Hypomyces transformans*, Pk.

*Cantharellus*, sp. indet.

*Hypomyces Lactifluorum*, (S.) Tul.

*Gomphidius*, sp. indet.

*Hypomyces Lactifluorum*, (S.) Tul.

*Lactarius deliciosus*, (L.) Fr.

*Lactarius Indigo*, (S.) Fr.

  { *Hypocrea lateritia*, Fr.

    { *Hypomyces lateritius*, Tul.

*Lactarius piperatus*, (Scop.) Fr.

  { *Asterophora physaroides*, Fr.

    { *Hypomyces asterophorus*, Tul.

{ *Sphaeria Lactifluorum*, S.  
 { *Hypomyces Lactifluorum*, Tul.  
 { *Hypocrea Lactifluorum*, M. A. Curtis.  
*Lactarius subdulcis*, (Bull.) Fr.  
 Verticillium Lactarii, Pk.  
*Lactarius torminosus*, (Schaeff.) Fr.  
 Hypocrea floccosa, Fr.  
 Hypomyces lateritius, (Fr.) Tul.  
*Lactarius*, sp. indet.  
 Hypomyces Banningii, Pk.  
 { Hypocrea tomentosa, B.  
 { Hypomyces tomentosus, B.  
*Lentinus ursinus*, Fr.  
 Coniosporium mycophilum, Ell. & Langlois.  
*Russula adusta*, (P.) Fr.  
 Hypomyces asterophorus, Tul.  
 { *Agaricus lycoperdonoides*, Bull.  
 { *Asterophora agaricoides*, Fr.  
 { *Nyctalis Asterophora*, Fr.  
*Russula alutacea*, Fr.  
 { *Sphaeria viridis*, A. & S.  
 { *Sphaeria luteovirens*, Fr.  
 { *Hypocrea luteovirens*, Fr.  
 { *Hypomyces luteovirens*, Tul.  
*Russula foetens*, (P.) Fr.  
 { *Sphaeria hyalina*, S.  
 { *Hypocrea hyalina*, Fr.  
 { *Hypomyces hyalinus*, Tul.  
*Nyctalis parasitica*, Fr.  
*Russula nigricans*, (Bull.) Fr.  
 Nyctalis Asterophora, Fr.  
*Russula*, sp. indet.  
*Agaricus tuberosus*, Bull.

## POLYPOREI.

*Boletus*, sp. indet.  
 Aspergillus virens, Lk.  
 Botrytis ramosa, S. Syn. Car.  
 Botrytis spicata, Mich.  
 { *Sphaeria aurantia*, P.  
 { *Hypomyces aurantius*, Tul.  
*Hypomyces chlorinus*, Tul. ?  
*Hypomyces luteovirens*, (Fr.) Tul.  
*Isaria* ? *saccharina*, P.  
 Mucor capitato-ramosus, S.  
 { Mucor paradoxus, B. & C.  
 { Thamnidium ? *parodoxum*, Berl. & De Toni.  
*Sepedonium chrysospermum*, (Bull.) Fr.  
 { Aspergillus maximus, Lk.  
 { Syzygites megalocarpus, Ehrb.  
 { Sporodinia dichotoma, Cda.  
 { Mucor Syzygites, DBy.  
 { Sporodinia Aspergillus, (Scop.) Schrt.  
*Daedalea unicolor*, Fr.  
 Stilbum aurifilum, Gerard.  
*Daedalea*, sp. indet.  
 Calocera fasciculata, S.

*Merulius tremellosus*, Schrad.  
 { *Sphaeronomema oxysporum*, B.  
 { *Sphaeronomella oxyspora*, Sacc.  
*Merulius*, sp. indet.  
 Hyalopus parasitans, B. & C.  
*Polyporus abietinus*, (Dicks.) Fr.  
 Sphinctrina tigillaris, B. & Br.  
*Polyporus acanthoides*, (Bull.) Fr.  
 Sepedonium flavidum, Sacc. & Ell.  
*Polyporus appplanatus*, Fr.  
 Ceratostoma parasiticum, Ell. & Ev.  
 Thelephora dendritica, B.  
*Polyporus Berkeleyi*, Fr.  
 Aspergillus repens, (Cda.) Sacc.  
 Sepedonium flavidum, Sacc. & Ell.  
*Polyporus caesius*, (Schrad.) Fr.  
*Polyporus chioneus*, Fr.  
 Hypocrea pallida, Ell. & Ev.  
*Polyporus Curtisii*, B.  
 { *Sphaeria Stereorum*, S.  
 { *Hypocrea Stereorum*, B. & C.  
*Polyporus elegans*, (Bull.) Fr.  
 { Pterula setosa, Pk.  
 { Lachnocladium setosum, Sacc. Syll.  
*Polyporus fomentarius*, (L.) Fr.  
 Helotium mycetophilum, Pk.  
*Polyporus frondosus*, (Schrank.) Fr.  
 Zythia compressa, S.  
*Polyporus ignarius*, (L.) Fr.  
 Institale ? maximum, S.  
 Peziza mycogena, Ell.  
*Polyporus loricatus*, P.  
 Hypomyces rosellus, (A. & S.) Tul.  
*Polyporus mucidus*, (P.) Fr.  
 { Aspergillus maximus, Ehrb.  
 { Mucor ramosus, Bull.  
 { Mucor Syzygites, DBy.  
 { Sporodinia Aspergillus, (Scop.) Schrt.  
*Polyporus pargamenus*, Fr.  
 Coniosporium mycophilum, Ell. & Langlois.  
 { Sphinctrina tigillaris, B. & Br.  
 { Calicium tigillare, Sacc.  
*Polyporus piceinus*, Pk.  
 Solenia fasciculata, P.  
*Polyporus picipes*, Fr.  
 Heterosporium fungicolum, Ell. & Ev.  
*Polyporus Schweinitzii*, Fr.  
 Rhinotrichum armeniacum, B. & C.  
*Polyporus sulfureus*, (Bull.) Fr.  
 { *Sphaeria boleticola*, S.  
 { *Hypomyces boleticulus*, Sacc.  
 { *Sphaeria cladosporiosa*, S.  
 { *Lasiosphaeria cladosporiosa*, Cke.  
 { *Coniochaeta cladosporiosa*, Cke.

*Polyporus versicolor*, (L.) Fr.

{ *Sphaeria aurantia*, P.  
 { *Nectria aurantia*, Fr.  
 { *Hypomyces aurantius*, Tul.  
*Hypomyces polyporinus*, Pk.

*Polyporus*, sp. indet.

*Agaricus* (*Pleurotus*) *septicus*, Fr.  
 { *Dictyidium magnum*, Pk.  
 { *Badhamia magna*, Pk.  
 { *Helminthosporium leptotrichum*, C. & E.  
 { *Brachysporium leptotrichum*, Sacc.  
*Cladosporium epiphyllum*, Nees.  
*Diplocladium minus*, Bon.  
*Hydnus nudus*, B. & C.  
*Hypocrea citrina*, (P.) Fr.  
*Hypocrea fungicola*, (Karst.) Sacc.  
*Hypocrea rufa*, (P.) Fr.  
 { *Sphaeria flavescens*, Fr., var. *epimyces*, S.  
 { *Hypomyces flavescens*, Cke.  
 { *Botrytis agaricina*, Lk.  
 { *Botrytis ramosa*, S. Syn. Car.  
*Verticillium agaricinum*, Cda.  
 { *Hypomyces ochraceus*, (P.) Tul.  
*Hypomyces rosellus*, (A. & S.) Tul.  
*Hypsilophora fragiformis*, Cke.  
 { *Sphaeria lagenaria*, P.  
 { *Melanospora lagenaria*, Fckl.  
*Mucor capitato-ramosus*, S.  
*Mucor rufus*, S. Am. Bor.  
*Mycogone rosea*, Lk.  
 { *Peziza incrustata*, Ell.  
 { *Pseudohelotium incrustatum*, Sacc.  
 { *Peziza myceticola*, B. & C.  
 { *Peziza vulgaris*, Fr., var. *myceticola*, B.  
 { *Pezizella vulgaris*, Sacc., var. *myceticola*, Sacc.

? *Phyllopta biparasitica*, Fr.

{ *Polyporus favillaceus*, B. & C.  
 { *Poria favillacea*, Cke.  
 { *Sphaeria mycophila*, Fr.  
 { *Rosellinia mycophila*, Sacc.  
 { *Amphisphaeria mycophila*, Cke.  
*Sepedonium chrysospermum*, (Bull.) Fr.  
 { *Sphaeronema oxysporum*, B.  
 { *Sphaeronemella oxyspora*, Sacc.

*Stemonitis maxima*, S.*Stilbum pellucidum*, Schrad.

{ *Graphium Berkeleyi*, Mont.  
 { *Stysanus Berkeleyi*, Sacc.

*Thelephora granosa*, B. & C.*Trametes*, sp. indet.*Sepedonium flavidum*, Sacc. & Ell.

## HYDNEI.

*Hydnus Erinaceus*, Bull.*Hypocrea parasitans*, B. & C.*Hydnus membranaceum*, Bull.*Fusarium hydnicolum*, Ell. & Ev.*Hydnus*, sp. indet.

*Dematium parasiticum*, Pk.  
 { *Sphaeria hydnicola*, S.  
 { *Hypoxylon hydnicolum*, Sacc.  
 { *Peziza cypheilloides*, Ell. & Ev.  
 { *Lachnellula cypheilloides*, Sacc.  
*Virgaria hydnicola*, Pk.

## THELEPHOREI.

*Corticium*, sp. indet.

*Chlorosplenium epimyces*, Cke.  
*Melanomma spiniferum*, Ell. & Ev.  
*Zygodesmus bicolor*, C. & E. ?

*Peniophora*, sp. indet.*Dendryphium pachysporum*, Ell. & Ev.*Stereum bicolor*, (P.) Fr.

{ *Leptosphaeria stereicola*, Ell.  
 { *Heptaineria stereicola*, Cke.

*Stereum fasciatum*, (S.) Fr.

{ *Sphaeria Stereorum*, S.  
 { *Hypocrea Stereorum*, B. & C.

*Stereum tristulosum*, (P.) Fr.*Stictis stereicola*, B. & C.*Stereum spadiceum*, Fr.

*Penicillium Hypomycetis*, Sacc.  
*Stilbum sebaceum*, Ell. & Ev.

*Stereum subpileatum*, B. & C.*Diplocladium melleum*, (B. & Br.) Sacc.*Stereum* sp. indet.

*Dialonectria sulfurea*, Ell. & Calkins.  
*Hypomyces aurantius*, (P.) Tul.  
 { *Sphaeria Porothelia*, B. & C.  
 { *Melanomma Porothelia*, Sacc.

*Thelephora*, sp. indet.*?Phyllopta biparasitica*, Fr.

## CLAVARIEI.

*Clavaria gigantea*, S.

{ *Tremella parasitica*, S.  
 { *Phyllopta parasitica*, Fr.

*Clavaria cristata*, P.

*Chaetosphaeria Clavariarum*, (Desm.)  
 Massee.

*Clavaria pistillaris*, L.*?Hypomyces apiosporus*, Cke.*Clavaria*, sp. indet.*Dactylium dendroides*, (Bull.) Fr.

{ *Helminthosporium Clavariarum*, Desm.  
 { *Scolecotrichum Clavariarum*, Sacc.

## TREMELLINI.

*Exidia*, sp. indet.*Hypocrea citrina*, (P.) Fr.*Tremella*, sp. indet.*Sphaeronema epiglaeum*, B. & C.

## GASTEROMYCETES.

*Cyathus vernicosus*, (Bull.) DC.  
Fusarium miniatum, (B. & C.) Sacc.  
*Lycoperdon*, sp. indet.  
Cladosporium lycoperdinum, Cke.  
*Scleroderma vulgare*, Hornem.  
Boletus parasiticus, Bull.  
Fusarium Sclerodermatis, Pk.

## UREDINEAE.

*Uredineae variae.*

Darluca Filum, (Biv.) Cast.  
{ Tubercularia persicina, Ditm.  
{ Tuberculina persicina, Sacc.

*Aecidium Podophylli*, S.

Macrosporium Podophylli, Ell. & Ev.

*Aecidium porosum*, Pk.

{ Tubercularia persicina, Ditm.  
{ Synchytrium Jonesii, Pk.  
{ Tuberculina Jonesii, Sacc.  
{ Tuberculina persicina, Sacc.

*Gymnosporangium macropus*, Lk.

Discosia Podisomatis, C. & E.

*Puccinia Seymeriae*, Burrill.

Fusarium parasiticum, Ell. & Kell.

## MISCELLANEA.

*Achlya*, sp. indet.

Olpidium Saprolegniae, Braun.

*Elaphomyces granulatus*, Fr.

Cordyceps ophioglossoides, (Ehrh.) Lk.

*Mucor Mucedo*, L.

{ Botrytis Jonesii, B. & Br.  
{ Chaetocladium Jonesii, Fres.

*Pachyma Cocos*, S.

Granularia eurotiooides, Sacc. & Ell.

Hypocrea solenostoma, B. & Rav.

*Peronospora obovata*, Bon.

Macrosporium parasiticum, Thm.

*Rhizomorpha*, sp. indet.

{ Peziza Rhizomorpha, Ell. & Ev.  
{ Plectania Rhizomorpha, Sacc.

*Ustilago Avenae*, (P.) Jensen.

Fusarium Ustilaginis, Kell. & Swingle.

Macrosporium utile, Kell. & Swingle.

*Fungi*, sp. indet.

{ Agaricus cirratus, Schum.  
{ Collybia cirrhata, Sacc. Syll.

{ Agaricus epimyces, Pk.  
{ Panaeolus epimyces, Sacc. Syll.

Cladosporium herbarum, (P.) Lk.

{ Sphaeria tubericola, S.  
{ Hypomyces tubericolus, Sacc.

Isaria citrina, P.

Isaria intricata, Fr.

Isaria monilioides, var. b., S. Syn. Car.

{ Monilia candida, Pk.

{ Monilia mycophila, Pk.

Myrothecium fungicolum, Pk.

Myrothecium inundatum, Tode.

{ Nectria mycetophila, Pk.  
{ Nectriella mycetophila, Sacc.

{ Dialonectria mycetophila, Cke.

Penicillium bicolor, Fr.

Penicillium candidum, Lk.

Sepedonium brunneum, Pk.

Sepedonium roseum, (Lk.) Fr.

Zygodesmus bicolor, C. & E.

## ALGAE.

*Callithamnion cruciatum*, Agardh.*Callithamnion Plumula*, Lyngb.*Callithamnion Pylaisaei*, Mont.

## Chytridium Plumulae, Cohn.

*Sphacelaria*, sp. indet.

## Chytridium Sphacellarum, Kny.

## ANIMALS.

Under the present heading we have included only the species of fungi which specially concern systematic mycologists and have thought it best to omit an enumeration of the pathogenic forms which are specially treated in works on human or animal pathology. By far the greater part of the latter belong to the *Schizomycetes*, an order not included in the present work for reasons already stated in the preface. The fungi like *Trichophyton tonsurans*, *Microsporon Furfur*, etc., to which is attributed the cause of certain skin diseases and the *Aspergilli* which inhabit the external ear are found in the United States as in other parts of the world but they are more conveniently treated in medical than in botanical works like the present. There is a small number of fungi which inhabit vertebrate animals which for the convenience of the student, may be mentioned in this connection without any attempt to present a complete list. *Sporendonema myophilum*, Sacc. has been recorded on a living mouse and on the same animal an unnamed *Torula* or *Oidium* has been noted by Leidy, Proc. Acad. Nat. Sci. Philad. 1873, 260; *Onygena equina*, (Willd.) P. has occasionally been found on dead hoofs of horses while on bones of animals occur *Fusisporium ossicolum*, B. & C. (*Fusarium ossicolum*, Sacc.) ; *Gymnoascella aurantiaca*, Pk., referred by Saecardo first to *Myxotrichum* and later to *Gymnoascus*; *Rhopalomyces elegans*, Cda. and *R. strangulatus* Thaxter. On feathers of birds occurs *Fusarium gallinaceum*, Cke. & Hark. On turtles and frogs *Achlya racemosa* Hildb. and *Ach. polyandra* Hildb. have been noted in this country as well as an unnamed *Saprolegnia* on the salamander, *Menobranchus lanceolatus*. *Saprolegnia ferax*, (Gruith.) Kütz. has been reported on several kinds of fish, especially salmon; the doubtful fungus, *Devoea infundibilis*, Lockwood, occurs on *Hippocampus heptagona* and on dried codfish there is occasionally found *Torula pulvinata*, Farl. (*Oidium pulvinatum*, Farl. nec B. & C. and *O. Morrhuae* Farl.). For the animals below fishes we have included all the species of fungi, excluding *Schizomycetes*, known to occur in the United States and we are indebted to Prof. Roland Thaxter for revising the fungi found on insects. Among the latter *Isaria sphecophila* Ditm. on *Polistes* sp. and *Botrytis Bassiana* Bals. on *Hyphantria* have been omitted, the determination in those cases being erroneous.

## INSECTS.

### HEXAPODA.

#### HYMENOPTERA.

*Formicariae*, sp. indet.

*Cordyceps myrmecophila*, Ces.

*Halictus?*, sp. indet.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Ichneumonidae*, sp. indet.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Tenthredinidae*, sp. indet.

*Empusa Tenthredinis*, (Fres.) Thaxter.

*Hymenoptera*, sp. indet.

  { *Botrytis tenella*, Sacc.

  { *Botrytis Bassiana*, Bals., var. *tenella*, Sacc.

### LEPIDOPTERA.

*Agrotis fennica*, (Tausch).

*Empusa virescens*, Thaxter.

*Agrotis*, sp. indet.

*Empusa Grylli*, (Fres.) Nowakowski, forma

*Aulicæ*, (Reich.)

*Arctiidae*, sp. indet.

*Empusa Grylli*, (Fres.) Nowakowski.

*Bombyx Mori*, L.

*Botrytis Bassiana*, Bals.

*Colias philodice*, Godt.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Deltoidinæ*, sp. indet.

*Empusa apiculata*, Thaxter.

*Eupithecia*, sp. indet.

*Empusa geometralis*, Thaxter.

*Hyphantria cunea*, Drury.

*Empusa apiculata*, Thaxter.

*Empusa Grylli*, (Fres.) Nowakowski, forma  
    *Aulicæ*, (Reich.)

*Lithophanæ*, sp. indet.

*Mamestra*, sp. indet.

*Orgyia nova*, Fitch.

*Empusa Grylli*, (Fres.) Nowakowski, forma  
    *Aulicæ*, (Reich.)

*Petrophora*, sp. indet.

*Empusa apiculata*, Thaxter.

*Empusa geometralis*, Thaxter.

*Phlegethontius Carolina*, Huebn.

*Phlegethontius Celeus*, Burm.

*Empusa Grylli*, (Fres.) Nowakowski, forma  
    *Aulicæ*, (Reich.)

*Pieris Rapae*, L.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Plusia Brassicae*, Riley.

*Botrytis Rileyi*, Farl.

*Sphingidae*, sp. indet.

  { *Isaria Sphingum*, S.

  { *Torrubia Sphingum*, Tul.

  { *Cordyceps Sphingum*, Sacc.

*Thera*, sp. indet.

*Empusa geometralis*, Thaxter.

*Tortrix*, sp. indet.

*Empusa apiculata*, Thaxter.

*Lepidoptera*, sp. indet.

*Aspergillus flavus*, Lk.

*Botrytis tenella* Sacc.

*Cordyceps isarioïdes*, M. A. Curtis.

  { *Isaria farinosa*, Fr.

  { *Stilbum ramosum*, Pk.

*Isaria nigripes*, S.

*Isaria Sphingum* S.

### DIPTERA.

*Chironomus*, sp. indet.

*Empusa conica*, (Nowakowski) Thaxter.

*Empusa montana*, Thaxter.

*Culex*, sp. indet.

*Empusa Culicis*, A. Braun.

*Culicidae*, sp. indet.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Drosophila nigricornis*, Loew.

  { *Appendicularia entomophila*, Pk.

  { *Appendiculina entomophila*, Berl.

  { *Stigmatomyces entomophilus*, Thaxter.

*Lucilia Caesar*, L.

*Empusa Americana*, Thaxter.

*Empusa Muscae*, Cohn.

*Musca domestica*, L.

*Empusa Americana*, Thaxter.

  { *Empusa Muscæ*, Cohn.

  { *Entomophthora Muscae*, Fres.

*Musca vomitoria*, L.

*Empusa Americana*, Thaxter.

*Empusa Muscae*, Cohn.

*Musca*, sp. indet.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Mycetophilidae*, sp. indet.

*Empusa dipterigena*, Thaxter.

*Empusa sphaerosperma*, (Fres.) Thaxter.

*Sapromyza longipennis*, Meigen.

*Empusa echinospora*, Thaxter.

*Syrphus* sp. indet.

Empusa Muscae, Cohn.

*Tipula*, sp. indet.

Empusa Caroliniana, Thaxter.

Empusa conglomerata, (Sorokin) Thaxter?

Empusa dipterigena, Thaxter.

*Tipulidae*, sp. indet.

Empusa Grylli, (Fres.) Nowakowski?

Empusa sepulchralis, Thaxter.

Empusa sphaerosperma, (Fres.) Thaxter.

*Diptera*, sp. indet.

Achlya prolifera, Nees.

Empusa apiculata, Thaxter.

Saprolegnia ferax, (Gruith.) Kütz.

*Diptera* (gnats).

Empusa gracilis, Thaxter.

Empusa papillata, Thaxter.

Empusa variabilis, Thaxter.

## COLEOPTERA.

*Anchyloonyca*, sp. indet.

Cordyceps Ravenelii, B. &amp; C.

*Bembidium*, sp. indet.

Laboulbenia truncata Thaxter.

*Bidessus lacustris*, Say.

Zodiomyces vorticellarius, Thaxter.

*Bledius assimilis*, Fauvel.

Cantharomyces Bledii, Thaxter.

*Carabidas*, sp. indet.

Laboulbenia paupercula, Thaxter.

*Casnonia Pennsylvanica*, Dejean.

Laboulbenia Casnoniae, Thaxter.

*Chauliognathus Pennsylvanicus*, De G.

Empusa Lampyridarum, Thaxter.

*Chilocorus bivulnerus*, Mulsant.

Hesperomyces virescens, Thaxter.

*Haltica bimarginata*, Say.

Sporotrichum larvicolum, Pk.

*Harpalus Pennsylvanicus*, De G.

Laboulbenia arcuata, Thaxter.

Laboulbenia conferta, Thaxter.

Laboulbenia elegans, Thaxter.

Laboulbenia Harpali, Thaxter.

*Lachnostenra fusca*, Frohl.

Botrytis tenella, Sacc.

{ Torrubia Melolonthae, Tul.

{ Cordyceps Melolonthae, Sacc.

{ Cordyceps Ravenelii, B. &amp; C.

{ Torrubia elongata, Riley.

{ Torrubia Ravenelii, B. &amp; C.

*Lachnostenra quercina*, Knoch.

{ Cordyceps militaris, (L.) Lk.

{ Torrubia militaris, Tul.

*Lampyridae*, sp. indet.

Empusa sphaerosperma, (Fres.) Thaxter.

*Nebria pallipes*, Say.

Laboulbenia Nebriae, Peyritsch.

*Nictobates?*, sp. indet.

{ Cordyceps Carolinensis, B. &amp; Rav.

{ Cordyceps aciculatis, B. &amp; Rav.

*Passalus cornutus*, Fabr.

Achlya prolifera, Nees.

Arthromitus cristatus, Leidy.

{ Cladophytum ramosissimum, Leidy.

{ Cladophytum comatum, Leidy.

Corynocladus radiatus, Leidy.

Cryptodesma tenuis, Leidy.

Enterobryns attenuatus, Leidy.

*Patrobus longicornis*, Say.

Laboulbenia brachiata, Thaxter.

*Phytonomus punctatus*, Fabr.

{ Entomophthora Phytonomi, Arthur.

{ Empusa sphaerosperma, (Fres.) Thaxter.

*Platynus cincticollis*, (Say).

Laboulbenia elongata, Thaxter.

Laboulbenia fumosa, Thaxter.

Laboulbenia Rougetii, Mont. &amp; Robin.

Peyritschella curvata, Thaxter.

Peyritschella minima, Thaxter.

*Platynus extensicollis*, Say.

Laboulbenia paupercula, Thaxter.

Laboulbenia scelophila, Thaxter.

*Ptilodactyla serricollis*, (Say).

Empusa apiculata, Thaxter, var. major, Thaxter.

## Scarabeidae, sp. indet.

Cordyceps Miquelii, (Tul.) Sacc.

*Sunius longiusculus*, Mann.

Cantharomyces verticillatus, Thaxter.

## HEMIPTERA.

*Aphis Mali*, Fabr.

Empusa Fresenii, Nowakowski.

*Aphis*, sp. indet.

Cladosporium Aphidis, Thm.

Empusa sphaerosperma, (Fres.) Thaxter.

*Aphides*, sp. indet.

Empusa Aphidis, (Hoffm.) Thaxter.

Empusa lageniformis, Thaxter.

Empusa occidentalis, Thaxter.

Empusa Planchoniana, (Cornu?) Thaxter.

*Cicada septendecim*, L.

Massospora cicadina, Pk.

*Cicada*, sp. indet.

Vermicularia cicadina, Ell. &amp; Kell.

*Coccus*, sp. indet.

{ Nectria aglaeothele, B. &amp; C.

*Coccidae*, sp. indet.

{ Nectria coccicola, Ell. &amp; Ev.

{ Ophioneectria coccicola, Berl. &amp; Vogl.

{ Dialonectria coccicola, Ell. &amp; Ev.

*Saprolegnia ferox*, (Gruith.) Kütz.  
*Sphaerostilbe coccophila*, Tul.  
*Lecanium*, sp. indet.  
 { *Torrubia clavulata*, S.  
 { *Cordyceps pistillariaeformis*, B. & Br.  
 { *Cordyceps clavulata*, Ell. & Ev.

*Schizoneura imbricator*, (Fitch).  
*Scorias spongiosa* (S.) Fr.  
*Typhlocyba Mali*,  
*Empusa sphaerosperma*, (Fres.) Thaxter.  
*Typhlocyba*, sp. indet.  
*Empusa apiculata*, Thaxter.

## THYSANOPTERA.

*Thrips*, sp. indet.  
*Empusa sphaerosperma*, (Fres.) Thaxter.

## ORTHOPTERA.

*Acridii*, sp. indet.  
 { *Empusa Grylli*, (Fres.) Nowakowski.  
 { *Entomophthora Calopteni*, Bessey.  
*Caloptenus differentialis*, Thomas.  
 { *Empusa Grylli*, (Fres.) Nowakowski.  
 { *Entomophthora Calopteni*, Bessey.  
*Ceuthophilus*, sp. indet.  
*Empusa Grylli*, (Fres.) Nowakowski.  
*Gryllidae*, sp. indet.  
*Cordyceps albida*, B. & C. Herb.  
*Tomonotus*, sp. indet.  
*Empusa Grylli*, (Fres.) Nowakowski.

## NEUROPTERA.

*Phryganeidae*, sp. indet.  
*Empusa rhizospora*, Thaxter.

## MISCELLANEA.

*Hexapoda*, sp. indet.  
 { *Cordyceps entomorrhiza*, (Dicks.) Fr.  
 { *Torrubia entomorrhiza*, Tul.  
*Cordyceps herculea*, (S.) Sacc.  
*Cordyceps insignis*, Cke. and Rav.  
*Cordyceps palustris*, B. & Br.  
*Cordyceps stylophora*, B. & Br.  
 { *Torrubia superficialis*, Pk.  
 { *Cordyceps superficialis*, Sacc.  
*Isaria crassa*, S.  
*Isaria furcata*, S.  
*Isaria tenuipes*, Pk.

## ARACHNIDA.

*Araneina*, sp. indet.  
*Isaria arachnophila*, Ditm.  
*Isaria aranearum*, S.

## MYRIAPODA

*Julus marginatus*, Say.  
*Arthromitus cristatus*, Leidy.  
*Cladophytum comatum*, Leidy.  
*Enterobryus elegans*, Leidy.  
*Julus pusillus*, Say.  
*Enterobryus spiralis*, Leidy.  
*Polydesmus granulatus*, Say.  
*Eccrina moniliformis*, Leidy.  
*Polydesmus Virginiensis*, (Drury).  
*Arthromitus cristatus*, Leidy.  
*Cladophytum comatum*, Leidy.  
*Eccrina longa*, Leidy.  
*Spirobolus marginatus*, (Say).  
 { *Arthromitus nitidus*, Leidy.  
 { *Arthromitus cristatus*, Leidy.  
*Enterobryus elegans*, Leidy.

## CRUSTACEANS.

*Crawfish*.  
*Saprolegnia ferox*, (Gruith.) Kütz.

## WORMS.

*Aorurus*, sp. indet.  
*Enterobryus elegans*, Leidy.  
*Ascaris infecta*, Leidy.  
*Arthromitus cristatus*, Leidy.  
*Cladophytum comatum*, Leidy.  
*Enterobryus elegans*, Leidy.  
*Ascaris* sp. indet.  
*Achlya prolifera*, Nees.  
*Streptostomum agile*, Leidy.  
*Arthromitus cristatus*, Leidy.  
*Cladophytum comatum*, Leidy.  
*Enterobryus elegans*, Leidy.  
*Taenia Solium*, Rud.  
*Mucor Taeniae*, Fairman.  
*Thelastomum attenuatum*, Leidy.  
*Arthromitus cristatus*, Leidy.  
*Cladophytum comatum*, Leidy.  
*Enterobryus elegans*, Leidy.

## ADDENDA.

### RANUNCULACEAE.

*Aconitum Fischeri*, Reich.

Aecidium Aconiti-Napelli, (DC.) Wint.  
 { Uromyces Aconiti, Fckl.

{ Uromyces Aconiti-Lycoctoni, (DC.) Wint.

*Anemone Caroliniana*, Walt.

Aecidium punctatum, P.

*Anemone cylindrica*, Gray.

Aecidium Ranunculacearum, DC.

Didymaria Ungerii, Cda.

Phleospora Anemones, Ell. & Kell.

{ *Puccinia Anemones-Virginianae*, S.

{ *Puccinia compacta*, DBy.

*Anemone dichotoma*, L.

*Anemone Hepatica*, L.

{ *Peronospora pygmaea*, Ung.

{ *Plasmopara pygmaea*, Schrt.

*Anemone multifida*, DC.

Aecidium Ranunculacearum, DC.

Peronospora pygmaea, Ung.

Puccinia fusca, (Relh.) Wint.

*Anemone nemorosa*, L.

{ *Peronospora pygmaea*, Ung.

{ *Plasmopara pygmaea*, Schrt.

*Anemone parviflora*, Michx.

Pleospora stenospora, Schrt.

*Anemone Virginiana*, L.

Phleospora Anemones, Ell. & Kell.

*Aquilegia Canadensis*, L.

Cercospora Aquilegiae, Kell. & Swingle.

Erysiphe communis, (Wallr.) Schl.

*Aquilegia coerulea*, James.

Aecidium Aquilegiae, P.

*Aquilegia Jonesii*, Parry.

Sphaerella Aquilegiae, Ell. & Ev.

*Clematis Douglasii*, Hook.

Aecidium Clematidis, DC.

*Clematis Jackmanii*, Spec. cult.

Cylindrosporium Clematidis, Ell. & Ev.,

var. Jackmanii, Ell. & Ev.

*Clematis ligusticifolia*, Nutt.

{ *Lophiostoma Montaniense*, Ell.

{ *Ceriospora Montaniensis*, Berl.

Cercospora Rubigo, Cke. & Hark.

Cercospora squalidula, Pk.

{ *Pleospora permunda*, (Cke.) Sacc.

{ *Clathrospora permunda*, Berl.

Erysiphe communis, (Wallr.) Schl.

Parodiella fruticola, Ell. & Ev.

Sphaerella applanata, Ell. & Ev.

*Clematis Virginiana*, L.

{ *Caeoma* (Aecidium) Clematitatum, S.

{ *Aecidium clematitatum*, Pk.

*Coptis trifolia*, Salisb.

Septoria cercosperma, Rostrup.

*Paeonia officinalis*, DC.

Cladosporium Paeoniae, Pass.

*Paeonia*, sp. indet.

{ *Polyactis vulgaris*, Lk.

{ *Botrytis vulgaris*, Fr.

Erysiphe communis, (Wallr.) Schl.

Phyllosticta Commonsii, Ell. & Ev.

*Ranunculus abortivus*, L.

Septocylindrium Ranunculi, Pk.

Peronospora Ficariae, Tul.

Ramularia Ranunculi, Pk.

*Ranunculus acris*, L.

Cladosporium herbarium, (P.) Lk.

*Ranunculus affinis*, R. Br.

Leptosphaeria Ranunculi, Rostrup.

*Ranunculus Cymbalaria*, Pursh.

Aecidium Ranunculacearum, DC.

Erysiphe communis, (Wallr.) Schl.

*Ranunculus nivalis*, L.

Septoria cercosperma, Rostrup.

Sphaerella pachyasca, Rostrup.

Stigmatae Ranunculi, Fr.

*Ranunculus pygmaeus*, Wahl.

Stigmatae Ranunculi, Fr.

*Ranunculus repens*, L.

Erysiphe communis, (Wallr.) Schl.

Ramularia gibba, Fckl.

*Ranunculus repens*. L. var. *hispidus*, Torr.

{ *Peziza singularia*, Pk.

{ *Mollisia singularis*, Sacc.

*Ranunculus sceleratus*, L.

Erysiphe communis, (Wallr.) Schl.

*Ranunculus*, sp. indet.

Ascochyta ? infuscans, Ell. & Ev.

*Thalictrum alpinum*, L.

Aecidium Sommerfeltii, Jobanson.

Leptosphaeria Thalictri, Wint.

Lizonia Thalictri, Rostrup.

Sphaerella pachyasca, Rostrup.

*Thalictrum Cornuti*, L.

Aecidium punctatum, P.

{ *Accidium Thalictri*, Grev.  
 { *Accidium Thalictri-flavi*, (DC.) Wint.  
 { *Accidium Sommerfeltii*, Johanson.  
 ( *Peziza Thalictri*, Pk.  
 ( *Pyrenopeziza Thalictri*, Sacc.  
*Thalictrum Fendleri*, Engelm.  
 ( *Accidium Thalictri*, Grev.  
 ( *Accidium Thalictri-flavi*, (DC.) Wint.  
*Accidium punctatum*, P.  
*Thalictrum purpurascens*, L.  
*Accidium Sommerfeltii*, Johanson.  
*Septoria Thalictri*, Ell. & Ev.  
*Synchytrium Anemones*, (DC.) Wor.?

## CALYCANTHACEAE.

*Calycanthus*, sp. indet.  
 ( *Patellaria nigrocinnabarina*, S.  
 ( *Blitrydium nigrocinnabarinum*, Sacc.  
*Tubercularia Calycanthi*, S.

## MAGNOLIACEAE.

*Liriodendron Tulipifera*, L.  
*Hypoxylon rubiginosum*, (P.) Fr.  
 { *Polyporus corticola*, Fr., var. *Tulipiferae*, Fr.  
 { *Irpea Tulipiferae*, S.  
 { *Poria Tulipiferae*, Sacc. Syll.  
 ( *Leptosphaeria stictoides*, (B. & C.) Sacc  
 ( *Heptameria stictoides*, Cke.  
*Monilia aurea*, var. *aurantiaca*, S. Syn. *Car.*  
 { *Patellaria nigrocinnabarina*, S.  
 { *Blitrydium nigrocinnabarinum*, Sacc.  
 { *Peziza Aurelia*, P.  
 { *Belonidium Aurelia*, DeNot.  
 ( *Peziza Erinaceus*, S.  
 ( *Lachnea Erinaceus*, Sacc.  
 { *Peziza vinosa*, A. & S.  
 { *Orbilia vinosa*, Karst.  
 { *Polyporus cinereus*, S.  
 { *Poria cinerea*, Cke.  
 ( *Polyporus fulvus*, Fr.  
 ( *Fomes fulvus*, Karst.  
 ( *Polyporus nigromarginatus*, S.  
 ( *Polystictus hirsutus*, (Sehrad.) Fr.  
 ( *Polystictus nigromarginatus*, Cke.  
 ( *Polyporus Nilgheriensis*, Mont.  
 ( *Polystictus Nilgheriensis*, Fr.  
 ( *Polyporus scarrosus*, B. & C.  
 ( *Polystictus scariosus*, Cke.  
*Ramularia Liriodendri*, Ell. & Ev.  
 ( *Sphaeria Tulipiferae*, S.  
 ( *Sphaerella Tulipiferae*, Cke.  
*Sporidesmium sanguineum*, Ell. & Ev.  
 ( *Stictis hysterina*, Fr.  
 ( *Xylogramma hysterinum*, Rehm.  
*Magnolia glauca*, L.  
 ( *Corticium subgiganteum*, B.  
 ( *Peniophora subgigantea*, Massee.  
*D'aporte Americana*, Speg.

*Exidia glandulosa*, (Bull.) Fr.  
*Helminthosporium Arbuscula*, B. & C.,  
 var. *trichellum*, Sacc.  
*Nummularia hypophlaea*, (B. & Rav.) Cke.  
 { *Peziza albopileata*, Cke.  
 { *Dasyseyphe albopileata*, Sacc.  
 { *Peziza protrusa*, B. & C.  
 { *Pyrenopeziza protrusa*, Sacc.  
 { *Pseudopeziza protrusa*, Sacc.  
*Saccardia Martini*, Ell. & Sacc.  
*Volutella conorum*, Ell. & Ev.  
*Magnolia grandiflora*, L.  
*Asterinula Langloisii*, Ell. & Ev.  
 { *Discosia alnea*, (P.) B.  
 { *Discosia nitida*, Lev.  
 { *Discosia ocellata*, B. & C.  
 { *Peziza hystricula*, Ell. & Ev.  
 { *Dasyseyphe hystricula*, Sacc.  
*Magnolia*, sp. indet.

## PYRENOMYCETES.

*Anthostomella Magnoliae*, Ell. & Ev.  
*Diatrype Stigma*, (Hoffm.) Fr.  
*Cucurbitaria congesta*, C. & E.  
 { *Dothidea Magnoliae*, Cke.  
 { *Homostegia Magnoliae*, Sacc.  
*Dothidea Scutula*, B. & C.  
*Hypocrea minima*, Sacc. & Ell.  
*Hypoxylon annulatum*, (S.) Mont., var. b.  
*Hypoxylon tinctor*, (B.) Cke.  
*Lasiosphaeria subvelutina*, Ell. & Ev.  
*Lophodermium exaridum*, C. & P.  
 { *Hysterium solicolum*, Fr.  
 { *Lophodermium hysteroides*, (P.) Sacc.  
 { *Hysterium maculare*, Fr.  
 { *Lophodermium maculare*, De Not.  
*Nectria Russellii*, B. & C.  
*Sphaerella annulata*, Cke.  
*Venturia parasitica*, Ell. & Ev.  
*Xylaria corniformis*, Fr.  
*Xylaria filiformis*, (A. & S.) Fr.

## SPOHLOPSIDEAE.

*Diplodia Ravenelii*, Cke.  
*Phoma atomispora*, Cke.  
 { *Diplodia tephrospora*, M. A. Curtis.  
 { *Sphaeropsis tephrospora*, B. & C.

## MELANCONIEAE.

*Melanconium ramulorum*, Cda.  
*Naeinaspora rufa*, B. & C.

## HYPHOMYCETES.

*Acrothecium obovatum*, C. & E.  
 { *Polyactis curta*, B. & C.  
 { *Botrytis curta*, Sacc.  
*Dendrodochium rubellum*, Sacc., var.  
 macrosporum, Sacc.  
*Dendryphium quadrisporatum*, Cke.  
*Glenospora Curtisi*, B. & Desm.  
*Haplaria chlorina*, Ell. & Ev.

- { *Helicoma velutinum*, Ell.
- { *Helicosporium velutinum*, Sacc.
- { *Illosporium acaroides*, Sacc.
- { *Volutellaria acaroides*, Sacc.
- ? *Illosporium Pezizula*, Ell. & Sacc.
- Menispora glauconigra*, C. & E.
- Ovularia moniliosoides*, Ell. & Martin.
- Penicillium repens*, C. & E.
- Polyseptatum sericeum*, Sacc.
- Speira minor*, Sacc.
- Stachyldium fuscum*, C. & E.
- Verticillium candelabrum*, Bon.
- Virgaria globiger*, Sacc. & Ell.
- Zygodesmus laevisporus*, Cke.
- Zygodesmus pannosus*, B. & C.

## DISCOMYCETES.

- Chlorosplenium aeruginosum*, (P.) De Not.
- Dermatea Magnoliae*, B. & C.
- { *Peziza diaphanula*, Cke.
- { *Pezizella diaphanula*, Sacc.
- { *Peziza sumigata*, Ell. & Ev.
- { *Mollisia fumigata*, Sacc.
- { *Peziza Glenospora*, Ell. & Ev.
- { *Mollisia Glenospora*, Sacc.
- { *Peziza gracilipes*, Cke.
- { *Sclerotinia gracilipes*, Sacc.
- { *Peziza incondita*, Ell.
- { *Sclerotinia incondita*, Sacc.
- { *Peziza introspecta*, Cke.
- { *Belonidium introspectum*, Sacc.
- { *Peziza phlegmacea*, Ell.
- { *Belonidium ? phlegmaceum*, Sacc.

## HYMENOMYCETES.

- { *Agaricus conigenoides*, Ell.
- { *Collybia conigenoides*, Sacc. Syll.
- Coniophora fulva*, Massee.
- Corticium glabrum*, B. & C.
- Corticium laeve*, P.
- Hymenochaete corticolor*, B. & Rav.
- Irpex sinuosus*, Fr.
- Kneiffia setigera*, Fr.
- Polyporus adustus*, (Willd.) Fr.
- Polyporus cinnabarinus*, (Jacq.) Fr.
- Polyporus hemileucus*, B. & C.
- Polyporus spumeus*, Fr.
- Polyporus velutinus*, (P.) Fr.
- Poria nitida*, P.
- Solenia sulfurea*, Sacc. & Ell.

## ANONACEAE.

- Asimina triloba*, Dunal.
- Corticium incarnatum*, Fr.
- Phoma microsporella*, Karst. & Hariot.

## MENISPERMACEAE.

- Menispermum Canadense*, L.
- Cercospora Menispermi*, Eli. & Holw.

## BERBERIDACEAE.

- Berberis repens*, Lindl.
- Aecidium Berberidis, Gmel.
- Podophyllum peltatum*, L.
- { Aecidium Podophylli, S.
- { Puccinia aurea, Spreng.
- Gloeosporium podophyllum*, Ell. & Ev.
- Macrosporium Podophylli*, Ell. & Ev.

## NYMPHAEACEAE.

- Nelumbium*, sp. indet.
- Dothiorella Nelumbii*, Ell. & Anders.
- Nuphar advena*, Ait. f.
- Phyllosticta fatiscens*, Pk.
- Phyllosticta Orontii*, Ell. & Martin, var.
- advena, Ell. & Ev.
- Sphaerella paludosa*, Ell. & Ev.

## SARRACENIACEAE.

- Sarracenia flava*, L.
- { *Peziza atrata*, P.
- { Pyrenopeziza atrata, Fckl.
- { *Mollisia atrata*, Karst.
- Sarracenia purpurea*, L.
- { *Leptosphaeria scapophila*, (Pk.) Sacc.
- { *Heptameria scapophila*, Cke.

## PAPAVERACEAE.

- Argemone platyceras*, Lk. & Otto.
- Alternaria lancipes*, Ell. & Ev.
- Bocconia cordata*, Willd.
- { *Leptosphaeria Bocconiae*, (C. & E.) Sacc.
- { *Heptameria Bocconiae*, Cke.
- Eschscholtzia Californica*, Cham.
- { *Peziza Eschscholtziae*, Phil. & Hark.
- { *Phialea Eschscholtziae*, Sacc.
- Papaver nudicaule*, L.
- Physalospora polaris*, Rostrup.
- Pleospora papaveracea*, (De Not.) Sacc.
- Sphaerella arthopyrenioides*, Awd.

## FUMARIACEAE.

- Corydalis aurea*, Willd., var. *occidentalis*, Gray.
- { Aecidium Dicentrae, Trelease, forma
- { *Corydalis*, Ell. & Kell.
- { Aecidium Fumariacearum, Kell. &
- { *Swingle*.
- { Aecidium *Corydalis*, Webber.

## CRUCIFERAE.

*Arabis alpina*, L.

Metasphaeria Arabidis, Johanson.  
 Septoria arabidicola, Rostrup.  
 Sirococcus cylindroides, Sacc.  
 Sphaerella pachyasca, Rostrup.

*Arabis Holboellii* Hornemann.

{ Accidium Holboellii, Hornemann.  
 { Puccinia Holboellii, Rostrup.  
 Hendersonia Arabidis, Rostrup.  
 Pleospora platyspora, Sacc.  
 Sphaerella pachyasca, Rostrup.

*Arabis Hookeri*, Lange.

Septoria Arabidis, Sacc.

*Arabis Lyallii*, Watson.

{ Sphaeronema sphaeroideum, Ell.  
 { Cornularia sphaeroidea, Sacc.

*Arabis lyrata*, L.

Sphaerella Cruciferarum, (Fr.) Sacc.

*Arabis*, sp. indet.

Puccinia arabicola, Ell. & Ev.

*Barbarea vulgaris*, R. Br.

Ramularia Barbareae, Pk.

*Brassica campestris*, L.

Cystopus candidus, (P.) Lev.  
 Peronospora parasitica, (P.) Tul.

*Brassica oleracea*, L.

Coprinus Brassicae, Pk.

{ *Periza brassicaecola*, B.  
 { *Pezizella brassicaecola*, Sacc.

Plasmodiophora Brassicae, Wor.

*Brassica*, sp. indet.

{ *Sarea brassicaecola*, S.  
 { *Helotium brassicaecolum*, Sacc.  
 { *Leptosphaeria olericola*, (B. & C.) Sacc.  
 { *Heptameria olericola*, Cke.

*Cardamine bellidifolia*, L.

Septoria cercosperma, Rostrup.

Sphaerella Cruciferarum, (Fr.) Sacc.

*Cardamine hirsuta*, L.

Peronospora parasitica, (P.) Fr.

*Cardamine pratensis*, L.

Phoma nebulosa, (P.) Mont.

Sphaerella Cruciferarum, (Fr.) Sacc.

*Cardamine rhombidea*, DC.

Peronospora parasitica, (P.) Fr.

Septoria Dentariae, Pk.

*Cheiranthus pygmaeus*, Adams

Puccinia Cheiranthi, Ell. & Ev.

*Draba alpina*, L., var. *corymbosa*, Durand.

Septoria cercosperma, Rostrup

Sphaerella pachyasca, Rostrup.

*Draba androsacea*, Wahl.

Hymenula macrospora, Sacc. & Roum.

Phoma nebulosa, (P.) Mont.

Pleospora Drabae, Schrt.

Pleospora herbarum, (P.) Rabh.

Pyrenophora chrysospora, (Niessl) Sacc.

Septoria cercosperma, Rostrup.

Septoria pleosporoides, Sacc.

*Draba aurea*, Vahl.

Aecidium Drabae, Tracy & Gall.

Pleospora platyspora, Sacc.

Septoria cercosperma, Rostrup.

*Draba Caroliniana*, Walt.

Cystopus candidus, (P.) Lev.

*Draba crassifolia*, Graham.

Sphaerella Cruciferarum, (Fr.) Sacc.

*Draba hirta*, L.

Cladosporium herbarum, (P.) Lk.

Erysiphe communis, (Wallr.) Schl.

Laestadia circumtegens, Rostrup.

Pleospora Drabae, Schrt.

Puccinia Drabae, Rudolphi.

Pyrenophora chrysospora, (Niessl) Sacc.

Sphaerella pachyasca, Rostrup.

*Draba incana*, L.

Puccinia Drabae, Rudolphi.

*Draba incana*, L., var. *arabisans*, Watson.

Pyrenophora hispida, (Niessl) Sacc.

*Eutrema Edwardsii*, R. Br.

Sphaerella Cruciferarum, (Fr.) Sacc.

*Lepidium intermedium*, Gray.

Aecidium Lepidii, Tracy & Gall.

Cystopus candidus, (P.) Lev.

*Lepidium montanum*, Nutt.

Aecidium Lepidii, Tracy & Gall.

*Lepidium Virginicum*, L.

{ *Leptosphaeria planiuscula*, (Riess.) Ces. & DeNot.

{ *Leptosphaeria Virginica*, (C. & E.) Sacc.  
 { *Heptameria Virginica*, Cke.

*Lyrocarpa Coulteri*, Hook. & Harv.

Pleospora herbarum, (P.) Rabh.

*Nasturtium palustre*, DC.

Ramularia Armoraciae, Fckl.

*Nasturtium sessiliflorum*, Nutt.

Cystopus candidus, (P.) Lev.

*Raphanus sativus*, L.

Plasmodiophora Brassicae, Wor.

*Sisymbrium canescens*, Nutt.

Ascochyta Sisymbrii, Ell. & Kell.

Peronospora parasitica, (P.) Fr.

*Sisymbrium linifolium*, Nutt.

Aecidium monoicum, Pk.

Cystopus candidus, (P.) Lev.

Puccinia aberrians, Pk.

*Puccinia consimilis*, Ell. & Ev.

*Sisymbrium officinale*, Scop.

*Cercospora Cruciferarum*, Ell. & Ev.

*Cercospora Nasturtii*, Pass.

*Vesicaria alpina*, Nutt.

*Helminthosporium nanum*, Nees.

*Phoma punctiformis*, Desm.

*Pleospora herbarum*, (P.) Rabh.

*Pyrenophora comata*, (Niessl) Sacc.

*Septoria cercosperma*, Rostrup.

*Septoria Vesicariae*, Rostrup.

*Sphaerella Sibirica*, Thüm.

*Vesicaria arctica*, Richards.

*Pleospora platyspora*, Sacc.

*Septoria cercosperma*, Rostrup.

*Sphaerella Cruciferarum*, (Fr.) Sacc.

#### CAPPARIDACEAE.

*Capparis Jamaicensis*, Jacq.

*Asterina lepidigenoides*, Ell. & Ev.

*Cleome integrifolia*, Torr. & Gr.

*Aecidium Cleomis*, Ell. & Anders.

*Heterosporium hybridum*, Ell. & Ev.

*Cleome pungens*, Willd.

*Cercospora Cleomis*, Ell. & Halsted.

#### VIOLACEAE.

*Viola blanda*, Willd.

*Cercospora granuliformis*, Ell. & Hark.

*Septoria Violae*, Westd., var. *oligocarpa*, Pk.

*Viola Canadensis*, L.

*Aecidium Violae*, Schum.

*Viola hastata*, Michx.

{ *Puccinia hastata*, Cke

{ *Puccinia Fergussoni*, B. & Br., var. *hastata*, De Toni.

*Viola Nuttallii*, Pursh.

*Puccinia Violae*, (Schum.) DC.

*Viola odorata*, L.

*Gloeosporium Violae*, B. & Br.

*Zygodesmus albidus*, Ell. & Halsted.

*Viola pubescens*, Ait.

*Cercospora murina*, Ell. & Kell.

*Phyllosticta Violae*, Desm.

*Viola tricolor*, L.

*Peronospora Violae*, DBy.

*Phyllosticta Violae*, Desm.

*Viola*, sp. indet.

*Sphaerotheca Humuli*, (DC.) Burrill.

#### POLYGALACEAE.

*Polygala polygama*, Walt.

*Gloeosporium ramosum*, Ell. & Ev.

*Polygala* sp. indet.

{ *Gibbera Saubinetii*, Mont.

{ *Gibberella Saubinetii*, Sacc.

#### CARYOPHYLLACEAE.

*Arenaria biflora*, Watson.

{ *Leptopeziza Groenlandica*, Rostrup.

{ *Durella Groenlandica*, Sacc.

*Pyrenophora comata*, (Niessl) Sacc.

*Sphaerella Stellarianearum*, (Rabh.) Karst.

*Sphaerella Tassiana*, DeNot.

*Arenaria Groenlandica*, Spreng.

*Sphaerella Stellarianearum*, (Rabh.) Karst.

*Arenaria Michauxii*, Hook. f.

*Pleospora herbarum*, (P.) Rabh.

*Arenaria peploides*, L.

*Phoma herbarum*, Westd.

*Pleospora herbarum*, (P.) Rabh.

*Pyrenophora comata*, (Niessl) Sacc.

*Arenaria pungens*, Nutt.

*Puccinia fragilis*, Tracy & Gall.

*Arenaria verna*, L.

*Pleospora herbarum*, (P.) Rabh.

*Sphaerella Stellarianearum*, (Rabh.) Karst.

*Arenaria verna*, L., var. *hirta*, Watson.

*Hendersonia tenella*, Schrt.

*Sphaerella Tassiana*, DeNot.

*Cerastium alpinum*, L.

*Phoma herbarum*, Westd.

*Puccinia Arenariae*, (Schum.) Wint.

*Pyrenophora comata*, (Niessl) Sacc.

*Cerastium arcticum*, Lange.

*Pleospora herbarum*, (P.) Rabh.

*Cerastium arvense*, L.

{ *Uredo Caryophyllacearum*, DC.

{ *Melampsora Cerastii*, (P.) Wint.

{ *Melampsorella Cerastii*, Schrt.

*Phoma herbarum*, Westd.

*Puccinia Arenariae*, (Schum.) Wint.

*Sphaerella Stellarianearum*, (Rabh.) Karst.

*Cerastium nutans*, Raf.

*Peronospora Alsinearum*, Casp.

*Cerastium trigynum*, Vill.

*Sphaerella Stellarianearum*, (Rabh.) Karst.

*Cerastium vulgatum*, L.

{ *Isariopsis pusilla*, Fres.

{ *Isariopsis alborosella*, Sacc.

*Dianthus barbatus*, L.

{ *Puccinia Lychnidearum*, Lk.

{ *Puccinia Arenariae*, (Schum.) Wint.

*Lychnis afghanica*, Vahl.

Cladosporium herbarum, P. Lk.  
Pleospora herbarum, (P.) Rabh.  
Pyrenophora comata, (Niessl) Sacc.  
Sphaerella Sibirica, Thm.

*Lychnis apula*, L.

Sphaerella Sibirica, Thm.

*Lychnis triflora*, R. Br.

Cladosporium herbarum, (P.) Lk.  
Leptosphaeria Vahlia, Rostrup.  
Pleospora herbarum, (P.) Rabh.  
Pyrenophora comata, (Niessl) Sacc.  
Sphaerella Sibirica, Thm.

*Lychnis* sp. indet.

† *Ustilago antherarum*, Fr.  
† *Ustilago violacea*, (P.) Fckl.

*Sagina nivalis*, Lindbl.

Septoria nivalis, Rostrup.

*Silene acaulis*, L.

Leptosphaeria Silenes-acaulis, De Not.  
Pleospora herbarum, (P.) Rabh.  
Sphaerella Sibirica, Thm.  
Sphaerella Tassiana, De Not.

*Silene antirrhina*, L.

Ascochyta Silenes, Ell. & Ev.  
Peronospora Arenariae, (B.) D By., var.  
macrospora, Farl.  
Phyllosticta Silenes, Pk.

*Spergula arvensis*, L.

Macrosporium parasiticum, Thm.  
Peronospora obovata, Bon.  
Puccinia Spergulae, DC.

*Stellaria glauca*, With.

Puccinia Arenariae, (Schum.) Wint.

*Stellaria humifusa*, Rottb.

Leptosphaeria Stellariae, Rostrup.  
Septoria Stellariae, Rob.  
Sphaerella Stellariacearum, (Rabh.) Karst.  
*Stellaria longipes*, Goldie.  
Leptosphaeria Stellariae, Rostrup.  
Phoma herbarum, Westd.  
Puccinia Dianthi, DC.  
Puccinia Lychnidearum, Lk.  
Puccinia Arenariae, (Schum.) Wint.  
Trochilia Stellariae, Rostrup.

*Stellaria media*, Smith.

Septoria Stellariae, Rob.

## PORTULACACEAE.

*Calandrinia Menziesii*, Hook.*Claytonia perfoliata*, Donn.

Peronospora Claytoniae, Farl.

*Lewisia rediviva*, Pursh.

Uromyces Spragueae, Hark.

## HYPERICACEAE.

*Ascyrum Crux-Andreae*, L.

Fusciplodium ascyrinum, Ell. & Ev.

*Hypericum aureum*, Barton.

{ Aecidium Hyperici-frondosi, S.

{ Uredo Hyperici, Spreng.

*Hypericum corymbosum*, Muhl.

Aecidium Hyperici-frondosi, S.

*Hypericum muticum*, L.

Gloeosporium cladosporioides, Ell. &  
Halsted.

Septoria sphaerelloides, Ell. & Kell.

*Hypericum Smoothia*, Michx.

{ Peziza atrocinerea, Cke.

{ Mollisia atrocinerea, Phil.

*Hypericum*, sp. indet.

?Aecidium Hypericorum, B. & C.

{ Physalaspis hypericina, (B. & C.) Sacc.

{ Phomatospora hypericina, Cke.

## MALVACEAE.

*Althaea rosea*, L.

{ Colletotrichum Althaeae, Southworth.  
Colletotrichum Malvarum, (Braun. &  
Casp.) Southworth.

Puccinia Malvastri, Pk.

Septoria Fairmani, Ell. & Ev.

*Callirhoe involucrata*, Gray.

Aecidium tuberculatum, Ell. & Kell.

Vermicularia sparsipila, Ell. & Kell.

*Gossypium herbaceum*, L.

Cercospora gossypina, Cke.

Colletotrichum Gossypii, Southworth.

Macrosporium nigricantium, Atkinson.

Ozonium auricomum, Lk.

Phyllosticta gossypina, Ell. & Martin.

Ramularia areola, Atkinson.

*Gossypium*, sp. indet.

Pyrenophora hyphasmatis, Ell. & Ev.

Phoma corvina, Rav.

*Hibiscus esculentus*, L.

Ophiobolus consimilis, Ell. & Ev.

*Hibiscus grandiflorus*, Michx.

Caeoma (Aecidium) hibisciatum, S.

*Hibiscus Manihot*, L.

Vermicularia hibiscina, Ell. & Ev.

*Hibiscus Moscheutos*, L.

Phyllosticta Hibisci, Pk.

*Hibiscus Syriacus*, L.

Uromyces heterogenus, Cke?

*Hibiscus Trionum*, L.

Cercospora althaeina, Sacc.

Fusarium roseum, Lk.

*Hibiscus*, sp. indet.

Phyllosticta hibiscina, Ell. & Ev.

*Malva rotundifolia*, L.

Phoma Lyndonvillensis, Fairman.

Puccinia Malvacearum, Mont.

*Malva sylvestris*, L.

Puccinia Malvacearum, Mont.

*Sida spinosa*, L.

Cercospora sidaecola, Ell. & Ev.

Ozonium auricomum, Lk.

### TILIACEAE.

*Tilia Americana*, L.

{ *Agaricus tiliophilus*, Pk.

{ *Crepidotus tiliophilus*, Pk.

Corticium basale, Pk.

{ *Valsa femoralis*, Pk.

{ *Cryptospora femoralis*, Sacc.

Cyphella pezizoides, Zopf.

Diaporthe farinosa, Pk.

{ *Rabenhorstia Tiliae*, Fr.

{ *Hercospora Tiliae*, (P.) Tul.

Melanconium Tiliae, Pk.

Ozonium auricomum, Lk.

{ *Peziza Tiliae*, Pk.

{ *Trichopeziza Tiliae*, Sacc.

Radulum pendulum, Fr.

Sporotrichum sulfureum, Grev.

*Tilia*, sp. indet.

Aposphaeria aranea, Pk.

Chaetomium pusillum, Ell. & Ev.

Chaetomium sphaerospermum, C. & E.

{ *Coryne Ellisii*, B.

{ *Daeryopsis Ellisiana*, Massee.

Fusarium obtusisporum, Cke. & Hark.

Hysterium Fraxini, P.

Myriococcum consimile, Ell. & Ev.

Sacidium lignarium, Pk.

### LINACEAE.

*Linum perenne*, L.

*Linum rigidum*, Pursh.

Melampsora Lini, (P.) Desm.

*Linum sulcatum*, Riddel.

Cercospora Lini, Ell. & Ev.

{ *Peronospora Lini*, Schrt. ?

{ *Peronospora Lini*, Ell. & Kell.

### GERANIACEAE.

*Floerkea proserpinacoides*, Willd.

Entyloma Floerkeae, Holw.

*Geranium Carolinianum*, L.

Cercospora Geranii, Kell. & Swingle.

Cylindrosporium Geranii, Ell. & Ev.

{ *Peronospora Geranii*, Pk.

{ *Plasmopara Geranii*, Berl. & De Toni.

*Geranium incisum*, Nutt.

Sphaerotheca Castagnei, Lev.

*Geranium maculatum*, L.

{ *Aecidium Geranii*, DC.

{ *Uredo hemisphaerica*, Spreng.

{ *Peronospora Geranii*, Pk.

{ *Plasmopara Geranii*, Berl. & De Toni.

*Geranium Richardsoni*, Fisch. & Mey.

Erysiphe communis, (Wallr.) Schl.

Puccinia Geranii-sylvaticae, Karst.

Sphaerotheca Castagnei, Lev.

*Geranium Robertianum*, L.

{ *Peronospora Geranii*, Pk.

{ *Plasmopara Geranii*, Berl. & De Toni.

*Geranium*, sp. indet.

Cercospora Brunkii, Ell. & Gall.

*Impatiens fulva*, Nutt.

{ *Peronospora obducens*, Schrt.

{ *Plasmopara obducens*, Schrt.

{ *Peronospora Impatientis*, Ell. & Ev.

*Impatiens pallida*, Nutt.

{ *Peronospora obducens*, Schrt.

{ *Plasmopara obducens*, Schrt.

*Impatiens*, sp. indet.

{ *Aecidium Impatientis*, S.

{ *Caeoma (Aecidium) impatientatum*, S.

{ *Uredo Schweinitziana*, Spreng.

Trichopeziza sulfurea, (P.) Fckl.

*Oxalis corniculata*, L., var. *stricta*, Sav.

Aecidium Oxalidis, Thm. ?

Ustilago Oxalidis, Ell. & Tracy.

*Pelargonium zonale*, Willd.

{ *Leptosphaeria subcaespitosa*, Cke. & Hark.

{ *Heptaineria subcaespitosa*, Cke.

{ *Physalospora Geranii*, Cke. & Hark.

{ *Phomatospora Geranii*, Cke.

### RUTACEAE.

*Citrus Aurantium*, L.

Aschersonia turbinata, B.

Botryodiplodia diplocarpa, Ell. & Ev.

Cladosporium herbarum, (P.) Lk.

Fusarium sarcochroum, (Desm.) Sacc.

Gloeosporium hysterioideum, Ell. & Ev.

Phyllosticta adusta, Ell. & Martin.

Sphaerostilbe cinnabarina, Tul.

*Citrus*, sp. indet.

Gloeosporium intermedium, Sacc.

Mucor clavatus, Lk.

*Ptelea trifoliata*, L.

Septoria Pteleae, Ell. & Ev.

*Xanthoxylium*, sp. indet.

Discula Xanthoxyli, Ell. &amp; Ev.

Macrophoma Xanthoxyli, Ell. &amp; Ev.

## SIMARUBACEAE.

*Ailanthus glandulosus*, L.

{ *Hendersonia subfenestrata*, B. & C.  
 { *Hendersonia Sartwellii*, Herb. Curt.  
 { *Camarosporium subfenestratum*, Sacc.

Cytosporina Ailanthi, Sacc.

Haplosporella Ailanthi, Ell. &amp; Ev.

Hypoderma virgultorum, DC.

Monilia aurantiaca, Pk. &amp; Sacc.

Phoma Ailanthi, Sacc.?

{ *Tubercularia vulgaris*, Tode.{ *Tubercularia Ailanthi*, Cke.{ *Valsa glandulosa*, Cke.{ *Valsa clavulata*, Cke.{ *Eutypella glandulosa*, Ell. & Ev.*Koerberlinia spinosa* Zucc.

Diplodina Koerberliniae, Ell. &amp; Ev.

## MELIACEAE.

*Melia Azedarach*, L.

{ *Agaricus meliigena*, B. & Cke.  
 { *Mycena meliigena*, Sacc. Syll.  
 Cercospora leucosticta, Ell. & Ev.  
 { *Fusisporium azedarachinum*, Thm.  
 { *Fusarium azedarachinum*, Sacc.

Ozonium auricolum, Lk.

Phyllosticta Meliae, Ell. &amp; Ev.

Eutypella paradisaica, Speg.

{ *Spaerostilbe gracilipes*, Tul.{ *Stilbum corynoides*, Ell. & Ev.

Thiridaria eutypoides, Ell. &amp; Ev.

Valsa subscripta, (Fr.) M. A. Curtis.

## ILICINEAE.

*Ilex decidua*, Walt.

{ *Tympanis Ravenelii*, B. & C.  
 { *Cenangiella Ravenelii*, Sacc.

Phyllosticta concomitans, Ell. &amp; Ev.

*Ilex glabra*, Gray.

{ *Asterina Ilicis*, Ell.  
 { *Microphyma Ilicis*, Speg.  
 Valsa cereophora, Ell.

*Ilex opaca*, Ait.

{ *Peziza Aquifoliae*, C. & E.  
 { *Pezizella Aquifolii*, Sacc.  
 { *Polyporus ilicincola*, B. & C.  
 { *Polystictus ilicinolus*, Cke.  
 Valsa subcuticularis, C. & E.

*Ilex verticillata*, Gray.

Phyllosticta Prini, Pk.

*Ilex*, sp. indet.

Coniothorium ilicinum, Ell. &amp; Anders.

Phoma ilicina, Ell. &amp; Anders.

{ *Physalospora philoprina*, (B. & C.) Sacc.  
 { *Laestadia philoprina*, Cke.

*Nemopanthes Canadensis*, DC.

{ *Tympanis Nemopanthis*, Pk.  
 { *Godronia Nemopanthis*, Sacc.

## CYRILLEAE.

*Cyrilla racemiflora*, L.

{ *Sphaeria abrupta*, B. & C.  
 { *Botryosphaeria abrupta*, B. & C.  
 { in Herb. B. sec. Cke.

{ *Sphaeria flavidocompta*, B. & C.  
 { *Chaetosphaeria flavidocompta*, Sacc.

{ *Diatrype leioplaca*, Fr.  
 { *Eutypa leioplaca*, Cke.

Glenospora Curtisii, B. &amp; Desm.

{ *Hysterium Cyrillae*, B. & C.  
 { *Glonium Cyrillae*, Sacc.

{ *Sphaeria rhodospila*, B. & C.  
 { *Herpotrichia rhodospila*, Sacc.  
 { *Bysosphaeria rhodospila*, Cke.

Hypocrea citrina, (P.) Fr.

{ *Sphaeria cyrillicola*, B. & C.  
 { *Melanomma cyrillicolum*, Sacc.  
 { *Conisphaeria cyrillicola*, Cke.

{ *Polyporus contiguus*, (P.) Fr.  
 { *Poria contigua*, Karst.

{ *Sphaeria mammiformis*, P.  
 { *Rosellinia mammiformis*, Ces. & DeNot.  
 { *Hypoxyylon mammiforme*, B.

Sphaeria assecla, S.

Stilbum cinereorubrum, B. &amp; C.

Torula aequalis, B. &amp; C.

## CELASTRACEAE.

*Celastrus scandens*, L.

Mierosphaera Alni, (DC.) Wint.

*Euonymus Americanus*, L.

Cercospora Euonymi, Ell.

Phyllosticta Euonymi, Sacc.

*Euonymus atropurpureus*, Jacq.

Haplasporella Euonymi, Ell. &amp; Ev.

Phoma Weldiana, Fairman.

Solenia ochracea, Hoffm.

## RHAMNACEAE.

*Ceanothus ovatus*, Desf.

Cercospora Ceanothi, Kell. &amp; Swingle.

*Ceanothus thyrsiflorus*, Esch.

Cylindrosporium Ceanothi, Ell. &amp; Ev.

*Ceanothus*, sp. indet.

Gloniopsis connivens, (Cke. &amp; Hark.)

Pazehke.

*Sphaeria vaccinicola*, S.?

*Rhamnus Frangula*, L.

{ *Sphaeria punicea*, Schm.

{ *Nectria punicea*, Fr.

*Rhamnus lanceolatus*, Pursh.

*Cercospora aeruginosa*, Cke.

*Cercospora Rhamni*, Fckl.

### VITACEAE.

*Ampelopsis quinquefolia*, Michx.

*Gloeosporium Ampelopsidis*, Ell. & Ev.

*Laestadia Bidwellii*, (Ell.) Viala & Ravaz.

{ *Phoma uvicola*, B. & C.

{ *Sphaeropsis Ampelopsidis*, C. & E.?

{ *Phyllosticta Labruscae*, Thm.

*Vermicularia compacta*, C. & E.?

*Ampelopsis tricuspidata* Sieb. & Zucc.

*Peronospora viticola*, (B. & C.) DBy.

*Phyllosticta Ampelopsidis*, Ell. & Martin.

*Cissus stans*, P.

*Diatrypella Vitis*, Ell. & Ev.

*Fusarium Volutella*, Ell. & Ev.

*Laestadia Bidwellii*, (Ell.) Viala & Ravaz.

*Vitis, species variae.*

{ *Naemaspora ampelicida*, Engelm.

*Phoma uvicola*, B. & C.

*Phoma ustulatum*, B. & C.

*Sphaeropsis uvarum*, B. & C.

*Sphaeropsis Ampelopsidis*, C. & E.?

*Depazea Labruscae*, Engelm.

*Septoria viticola*, B. & C.

*Phoma uvicola*, B. & C., var. *Labruscae*, Thm.

*Phyllosticta viticola*, Thm.

*Phyllosticta Labruscae*, Thm.

*Ascochyta Ellisii*, Thm.

*Sacodium viticolum*, Cke.

*Phoma Ampelopsidis*, Sacc.?

*Phoma uvarum*, Sacc.

*Phyllosticta Ampelopsidis*, Ell. & Martin.

*Macrophoma Ampelopsidis*, Berl. & Vogl.?

*Sphaeria Bidwellii*, Ell.

*Physalospora Bidwellii*, Sacc.

*Laestadia Bidwellii*, Viala & Ravaz.

*Sphaerella Bidwellii*, Ell.

*Vitis aestivalis*, Michx.

*Cladosporium viticolum*, Ces.

{ *Peronospora viticola*, (B. & C.) DBy.

{ *Plasmopara viticola*, Berl. & De Toni.

*Pistillaria viticola*, Pk.

{ *Rhytisma monogramme*, B. & C.

{ *Rhytisma Vitis*, S.

{ *Fungi dubii*.

*Vitis Californica*, Benth.

{ *Septosporium Fuckelii*, Scribner nec Thm.

{ *Septosporium heterosporum*, Ell. & Gall.

*Vitis cinerea*, Engelm.

*Uncinula Ampelopsidis*, Pk.

*Vitis Labrusca*, L.

*Acrospermum foliicolum*, B.

{ *Greeneria fuliginea*, Scribner & Viala.

{ *Melanconium fuligineum*, Cavara.

{ *Peronospora viticola*, (B. & C.) DBy.

{ *Plasmopara viticola*, Berl. & De Toni.

{ *Peziza ascoboloidea*, S.

{ *Lachnella ascoboloidea*, Fr.

{ *Peziza penicillata*, S.

{ *Trichopeziza penicillata*, Sacc.

{ *Peziza vinosa*, A. & S.

{ *Calloria vinosa*, Fr.

{ *Orbilia vinosa*, Karst.

{ *Peziza viticola*, P. nec S.

{ *Patellaria viticola*, Sacc.

{ *Peziza Vitis*, S.

{ *Trichopeziza Vitis*, Sacc.

{ *Polyporus papyraceus*, S.

{ *Poria papyracea*, Cke.

{ *Polyporus viticolus*, S.

{ *Poria viticola*, Cke.

*Vitis riparia*, Michx.

{ *Phyllosticta viticola*, Thm.

{ *Phyllosticta Labruscae*, Thm.

*Vitis virens*, L.

{ *Peziza vinosa*, A. & S.

{ *Orbilia vinosa*, Karst.

{ *Peziza viticola*, P. nec S.

{ *Patellaria viticola*, Sacc.

{ *Peronospora viticola*, (B. & C.) DBy.

{ *Plasmopara viticola*, Berl. & De Toni.

{ *Thyridium antiquum*, Ell. & Ev.

{ *Pleospora antiqua*, Ell. & Ev.

{ *Uredo Vitis*, Thm.

{ *Species excludenda*.

*Vitis vulpina*, L.

{ *Patellaria atrofusca*, B. & C.

{ *Lecanidion atrofuscum*, Sacc.

{ *Peziza cinereofusca*, S.

{ *Lachnella cinereofusca*, Sacc.

*Vitis*, sp. indet.

*Dendryphium acinorum*, Ell. & Ev.

{ *Gloeosporium fructigenum*, B.

{ *Gloeosporium versicolor*, B. & C.

*Gloeosporium Physalosporae*, Cavara.

*Hysterographium Ruborum*, Cke., forma *Vitis*, Rehm.

*Mucronoporus ferruginosus*, (Schrad.)

Ell. & Ev.

{ *Peziza occulta*, Rehm.

{ *Orbilia occulta*, Sacc.

{ *Peziza poriaeformis*, DC.

{ *Peziza pruinata*, S.

{ *Solenia poriaeformis*, Fckl.

{ *Tapesia pruinata*, Sacc.

*Phyllactinia*, sp.

{ *Polyporus barbaeformis*, B. & C.

{ *Poria barbaeformis*, Cke.

*Rosellinia Langloisii*, Ell. & Ev.

*Sporotrichum Himantiae*, S.

## SAPINDACEAE.

*Acer dasycarpum*, Ehrh.*Ozonium auricomum*, Lk.*Sphaerella maculiformis*, Awd.*Acer glabrum*, Torr.*Phyllosticta minutissima*, Ell. & Ev.*Teichospora megastega*, Ell. & Ev.*Acer Pennsylvanicum*, L.{ *Didymella sphacrellula*, (Pk.) Sacc.{ *Endophlaea sphacrellula*, Cke.*Acer rubrum*, L.*Diatrype Macounii*, Ell. & Ev.*Exosporium sociatum*, Ell. & Ev.*Gloeosporium nervisequum*, (Fckl.) Sacc.*Gnomonia emarginata*, Fckl.?*Gnomonia tenella*, Ell. & Ev.*Helminthosporium subolivaceum*, Ell. & Ev.{ *Massariella sudans*, (B. & C.) Sacc.{ *Massariovalsa sudans*, Sacc.{ *Peziza miniopsis*, Ell.{ *Erinella miniopsis*, Sacc.*Ramularia lethalis*, Ell. & Ev.*Stachybotrys elongata*, Pk.*Valsa myinda*, C. & E.*Valsa quaternata*, Fr.*Acer saccharinum*, Wang.{ *Agaricus saccharinophilus*, Pk.{ *Hypholoma saccharinophilum*, Sacc. Syll.*Agaricus (Collybia) velutipes*, Wm. Curtis.*Cylindrosporium saccharinum*, Ell. & Ev.{ *Trametes incana*, B.{ *Daedalea ambigua*, B.{ *Trametes lactea*, B.{ *Trametes ambigua*, Fr.{ *Lenzites glaberrima*, B. & C.{ *Daedalea glaberrima*, B. & C.*Diatrypella Frostii*, Pk.*Gloeosporium saccharinum*, Ell. & Ev.*Helotium fraternum*, Pk.*Melanconium magnum*, B.*Merulius Corium*, (P.) Fr.*Merulius molluscus*, Fr.*Naemasporella microsperma*, Ell. & Ev.*Naematelia nucleata*, (S.) Fr.*Omphalia striipilea*, (Fr.) Sacc. Syll., var.  *albogrisea*, Pk.{ *Patellaria leptosperma*, Pk.{ *Lecanidion leptospermum*, Sacc.*Phlebia acerina*, Pk.*Polyporus applanatus*, (P.) Wallr.{ *Polyporus connatus*, Fr.{ *Fomes connatus*, Cke.*Poria aurea*, Pk.{ *Rhytidia punctatum*, (P.) Fr.{ *Rhytidia punctiforme*, Mayr.*Septonema breviusculum*, B. & C.*Septoria saccharina*, Ell. & Ev.*Steganosporium cellulosum*, Cda., var.  
  *major*, Ell. & Ev.*Trametes mollis*, (Sommf.) Fr.*Trametes pallidofulva*, (B.) Fr.*Valsa coronata* (Hoffm.) Fr.*Acer spicatum*, Lam.{ *Sphaeria albostoma*, Pk.{ *Herpotrichia leucostoma*, Pk.*Polyporus aureonitens*, Patouillard.*Pseudovalsa stylospora*, Ell. & Ev.*Acer*, sp. indet.{ *Agaricus albocreulatus*, Pk.{ *Pholiota albocreulata*, Sacc. Syll.{ *Agaricus fulvotomentosus*, Pk.{ *Crepidotus fulvotomentosus*, Sacc. Syll.{ *Agaricus herbarum*, Pk.{ *Crepidotus herbarum*, Sacc. Syll.{ *Agaricus hirtosquamulosus*, Pk.{ *Hypholoma hirtosquamulosum*, Sacc. Syll.{ *Agaricus squarrosooides*, Pk.{ *Pholiota squarrosooides*, Sacc. Syll.{ *Anthostoma saprophilum*, Ell. & Ev.{ *Xylosphaeria saprophila*, Cke.? *Anthostomella eructans*, Ell. & Ev.Anthostomella ? *picacea*, (C. & E.) Sacc.*Bulgaria purpurea*, Fckl.*Bulgaria sarcoides*, (Jacq.) Fr.*Byssosphaeria subiculata*, (S.) Cke.*Camarosporium acerinum*, Ell. & Ev.{ *Ceratostomella barbirostris*, Sacc.{ *Ceratostoma barbirostris*, (Duf.) Cke.*Clasterosporium caespitulosum*, Ell. & Ev.*Coniosporium corticale*, Ell. & Ev.*Corticium ochroleucum*, Fr.*Discella pilosula*, Ell. & Ev.*Helotium albovirens*, Cke*Helotium epiphyllum*, (P.) Fr.*Hirneola Auricula-Judae*, (L.) B.? *Hypoxylon commutatum*, Nits., var.  *Holwayanum*, Sacc. & Ell.{ *Hypoxylon serpens*, Ell. N. A. F.{ *Hypoxylon insidens*, (S.) Ell. & Ev.*Hypoxylon multiforme*, Fr., var. *effusum*,

C. &amp; E.

*Hypoxylon perforatum*, (S.) Fr.*Hypoxylon rubiginosum*, (P.) Fr.{ *Hysterium Prostii*, Duby.{ *Hysterium ellipticum*, N. A. F.*Libertella acerina*, Westd. ?*Lophiostoma rhopaloides*, Sacc., var.  *pluriseptatum*, Fairman.*Martindalea spironema*, Sacc. & Ell.*Massaria (Massariella) bispora*, Cke.{ *Amphisphaeria Papilla*, (S.) Sacc.{ *Melanopsamma Papilla*, Sacc.

*Menispora glauconigra*, C. & E.  
 { *Patellaria cylindrospora*, Ell.  
 { *Scutularia cylindrospora*, Sacc.  
*Peniophora flavidalba*, Cke.  
 { *Peziza acerina*, C. & E.  
 { *Trichopeziza acerina*, Sacc.  
 { *Peziza aurata*, B. & Rav.  
 { *Omphrophila aurata*, Phil.  
 { *Peziza aureofulva*, Cke.  
 { *Mollisia aureofulva*, Sacc.  
 { *Peziza compressa*, P.  
 { *Durella compressa*, Tul.  
 { *Peziza floriformis*, Pk.  
 { *Pezizella floriformis*, Sacc.  
 { *Peziza paullopuncta*, C. & E.  
 { *Mollisia paullopuncta*, Sacc.  
 { *Peziza simulata*, Ell.  
 { *Phialea simulata*, Sacc.  
*?Phlebia vaga*, Fr.  
 { *Polyporus contiguus*, N. A. F.  
 { *Polyporus ferruginosus*, (Schrad.) Fr.  
 { *Mucronoporus ferruginosus*, Ell. & Ev.  
 { *Polyporus pargamenus*, Fr.  
 { *Polyporus elongatus*, B.  
 { *Polyporus fimbriatellus*, Pk.  
 { *Poria fimbriatella*, Sacc. Syll.  
 { *Polyporus semitinctus*, Pk.  
 { *Poria semitincta*, Cke.  
*Porothelium confusum*, B. & Br.  
*Rhinotrichum ramosissimum*, B. & C.  
*Solenia ochracea*, Hoffm.  
*Sporidesmium compositum*, B. & Rav.  
*Sporonema pallidum*, Ell. & Ev.  
*Stilbum aeruginosum*, Desm.  
*Stilbum atrocephalum*, Ell.  
 { *Teichospora vetusta*, (Ell.) Sacc.  
 { *Strickeria vetusta*, Cke.  
*Trametes mollis*, (Sommf.) Fr.  
*Tubicularia nigricans*, (Bull.) DC.  
 { *Tympanis acerina*, Pk.  
 { *Scleroderris acerina*, Sacc.  
? { *Tympanis bicolor*, Ell.  
 { *Cenangium bicolor*, Sacc.  
 { *Tympanis rhabdospora*, B. & C.  
 { *Godronia rhabdospora*, Sacc.  
*Zygodesmus limoniisporus*, Ell. & Ev.  
**Aesculus arguta**, Buckley.  
*Aecidium Aesculi*, Ell. & Kell.  
*Macrosporium baccatum*, Ell. & Kell.  
**Aesculus flava**, Ait.  
*Phyllosticta sphaeropsoidea*, Ell. & Ev.  
**Aesculus Hippocastanum**, L.  
? *Aecidium Aesculi*, Ell. & Kell.  
 { *Agaricus sapidus*, Kalchb.  
 { *Pleurotus sapidus*, Sacc. Syll.  
*Diplodia Aesculi*, Lev.  
*Haplosporella Hippocastani*, Ell. & Ev.  
*Phyllosticta sphaeropsoidea*, Ell. & Ev.

*Schizothyrella Hippocastani*, Ell. & Ev.  
**Negundo aceroides**, Moench.  
*Cercospora Negundinis*, Ell. & Ev.  
*Dendrodochium nigrescens*, Ell. & Ev.  
*Diplodia atrata*, (Desm.) Sacc.  
*Gloeosporium apocryptum*, Ell. & Ev.  
*Helminthosporium subcuticulare*, Ell. & Ev.  
*Phyllosticta Negundinis*, Sacc. & Spieg.  
*Rosellinia Kellermannii*, Ell. & Ev.  
*Sphaeronema canum*, Ell. & Ev.  
**Negundo Californicum**, Torr. & Gr.  
*Phleospora Aceris*, (Lib.) Sacc.  
**Negundo**, sp. indet.  
*Stictis phacidoides*, Fr.  
**Staphylea trifolia**, L.  
*Phyllosticta Staphyleae*, Dearness.  
 { *Metasphaeria staphylina* (Pk.) Sacc.  
 { *Endophlaea staphylina*, Pk.  
*Plowrightia staphylina*, Ell. & Ev.  
 { *Sphaeria Staphyleae*, L.  
 { *Sphaerella Staphyleae*, Cke.

## ANACARDIACEAE.

**Rhus aromatica**, Ait.  
 { *Pileolaria effusa*, Pk.  
 { *Uromyces* ? effusus, De Toni  
**Rhus copallina**, L.  
 { *Gonatobotrys maculicola*, Wint.  
 { *Gonatobotryum maculicolum*, Sacc.  
 { *Sphaeronaema Rhois*, B. & C. ?  
 { *Cornularia Rhois*, Kaist.  
 { *Taphrina purpurascens*, Robinson.  
 { *Exoascus purpurascens*, Sacc.  
 { *Sphaeria aculeans*, S.  
 { *Valsa albovelata*, B. & C.  
 { *Valsa aculeans*, B.  
 { *Diaporthe albovelata*, Sacc.  
**Rhus Cotinus**, L.  
*Hainesia rhoina*, Ell. & Sacc.  
**Rhus diversiloba**, Torr. & Gr.  
*Valsonectria virens*, Hark.  
**Rhus glabra**, L.  
 { *Anthostoma atrofuscum*, (B. & C.)  
 { *Berl. & Vogl.*  
 { *Hypoxylon* ? *atrofuscum*, Ell. & Ev.  
**Rhus Toxicodendron**, L.  
*Cercospora Bartholomei*, Ell. & Kell.  
 { *Pileolaria brevipes*, B. & Rav.  
 { *Pileolaria Terebinthi*, Auct. Amer. nec Cast  
**Rhus Toxicodendron**, L., var. *radicans*, Torr.  
 { *Lophiostoma radicans*, Ell. & Ev.  
 { *Lophiotrema vagabundum*, Sacc., var.  
 { *radicans*, (Ell.) Berl.  
 { *Dematium crucigerae*, S.  
 { *Podosporium rigidum*, S.

*Rhus typhina*, L.

*Sphaerotheca pruinosa*, C. & P.

*Rhus venenata*, DC.

*Sphaeria rufescens*, S.

*Sphaeria aculeans*, S.

*Valsa rufescens*, M. A. Curtis.

*Valsa albovelata*, B. & C.

*Valsa aculeans*, B.

*Diatrype rhoina*, C. & E.

*Valsa rhoiphila*, C. & E.

*Diaporthe albovelata*, Sacc.

*Calospora aculeans*, Sacc.

*Calospora rhoina*, Sacc.

*Cercospora infuscans*, Ell. & Ev.

*Dermatea pallidula*, Cke.

*Sclerodeiris pallidula*, Sacc.

*Peziza theioidea*, C. & E.

*Lachnellula theioidea*, Sacc.

*Radulum orbiculare*, Fr.

### LEGUMINOSAE.

#### *Papilionaceae.*

*Amorpha canescens*, Nutt.

*Puccinia Amorphae*, M. A. Curtis.

*Uropyxis Amorphae*, Schrt.

*Amorpha fruticosa*, L.

*Puccinia Amorphae*, M. A. Curtis.

*Uropyxis Amorphae*, Schrt.

*Aecidium Amorphae*, Cke.

*Uredo Kansensis*, Kell. & Swingle.

*Amphicarpa monoica*, Elliott.

*Dothidea Glycineos*, S.

*Phyllachora Glycineos*, Sacc.

*Apios tuberosa*, Moench.

*Uromyces Fabae*, (P.) DBy.

*Astragalus adsurgens*, Pall.

*Erysiphe communis*, (Wallr.) Schl.

*Microsphaera Ravenelii*, B.

*Uromyces Astragali*, (Opiz.) Sacc.

*Astragalus bisulcatus*, Gray.

*Physalospora megastoma*, (Pk.) Sacc.

*Laestadia megastoma*, Cke.

*Astragalus caryocarpus*, Ker.

*Colletotrichum carpophilum*, Kell. & Swingle.

*Astragalus Chamaelunce*, Gray.

*Napicladium Astragali*, Ell. & Ev.

*Astragalus decumbens*, Gray.

*Erysiphe communis*, (Wallr.) Schl.

*Astragalus Drummondii*, Dougl.

*Volutella occidentalis*, Ell. & Anders.

*Astragalus flexuosus*, Dougl.

*Dendryphium nubilosum*, Ell. & Ev.

*Volutella occidentalis*, Ell. & Anders.

*Astragalus hypoglottis*, L.

*Erysiphe communis*, (Wallr.) Schl.

*Fusciplodium brevipus*, Ell. & Ev.

*Physalospora megastoma*, (Pk.) Sacc.

*Astragalus junceus*, Gray.

*Erysiphe communis*, (Wallr.) Schl.

*Astragalus lactiflorus*, Hook.

*Peronospora Trifoliorum*, D By.

*Astragalus mollissimus*, Torr.

*Uromyces Astragali*, (Opiz.) Sacc.

*Astragalus multiflorus*, Gray.

*Erysiphe communis*, (Wallr.) Schl.

*Astragalus pectinatus*, Dougl.

*Physalospora aurantia*, Ell. & Ev.

*Astragalus scopulorum*, Porter.

*Sorosporium Astragali*, Pk.

*Astragalus triphyllus*, Pursh.

*Erysiphe communis*, (Wallr.) Schl.

*Baptisia leucophaea*, Nutt.

*Aecidium amphigenum*, Ell. & Kell.

*Aecidium Kellermannii*, De Toni.

*Baptisia perfoliata*, R. Br.

*Sphaeropsis Baptisiae*, Thm.

*Coniothyrium Baptisiae*, Roum.

*Baptisia tinctoria*, R. Br.

*Leptosphaeria comatella*, (C. & E.) Sacc.

*Heptameria comatella*, Cke.

*Dalea laxiflora*, Pursh.

*Aecidium Daleae*, Kell. & Swingle.

*Desmanthus brachylobus*, Benth.

*Erysiphe communis*, (Wallr.) Schl.

*Desmodium strictum*, DC.

*Metasphaeria dissiliens*, (C. & E.) Sacc.

*Leptosphaeria dissiliens*, Ell.

*Uromyces Hedysari-paniculati*, (S.) Farl.

*Coryneum Hedysari*, Roum. Fung. Sel.

*Desmodium*, sp. indet.

*Leptosphaeria distributa*, (C. & E.) Sacc.

*Heptameria distributa*, Cke.

*Peziza atrocinerea*, Cke.

*Mollisia atrocinerea*, Phil.

*Phyllosticta Desmodii*, Ell. & Ev.

*Dolichos melanophthalmus*, DC.

*Cercospora Dolichi*, Ell. & Ev.

*Dolichos Sinensis*, L.

*Amerosporium oeconomicum*, Ell. & Tracy.

*Cercospora Dolichi*, Ell. & Ev.

*Dolichos*, sp. indet.

*Amerosporium Dolichi*, Ell. & Ev.

*Physalospora phlyctanoides*, (B. & C.) Sacc.

*Phomatospora phlyctanoides*, Cke.

*Genista*, sp. indet.

*Eutypa ludibunda*, Sacc.

*Glycyrrhiza lepidota*, Pursh.

*Septoria Glycyrrhizae*, Ell. & Kell.

*Uromyces Trifolii*, forma *Glycyrrhizae*,

  Ell. & Kell.

*Uromyces Glycyrrhizae*, (Ribh.) Magnus.

*Hedysarum boreale*, Nutt.  
 Uromyces *Hedysari-paniculati*, (S.) Farl.

*Hosackia*, sp. indet.  
 { *Ditopella Hosackiae*, (Cke. & Hark.) Sacc.  
 { *Physalospora Hosackiae*, Cke.

*Lathyrus latifolius*, L.  
 Cercospora *lathyrina*, Ell. & Ev.  
 Septoria *Lathyri*, Ell. & Ev.

*Lathyrus maritimus*, Bigel.  
 Phoma *herbarum*, Westd.  
 Septoria *emaculata*, Pk. & Clinton.

*Lathyrus ochroleucus*, Hook.  
 Dicoccum *lathyrinum*, Ell. & Gall.

*Lathyrus paluster*, L.  
 Phleospora *reticulata*, Ell. & Ev.

*Lathyrus polymorphus*, Nutt.  
 Erysiphe *communis*, (Wallr.) Schl.  
 Uromyces *Fabae*, (P.) D By.

*Lathyrus sativus*, L.  
 Pleospora *hyalospora*, Ell. & Ev.

*Lathyrus venosus*, Muhl.  
 { *Didymosphaeria Vizeana*, (Cke.) Sacc.  
 { *Didymosphaerella Vizeana*, Cke.

*Lespedeza capitata*, Michx.  
 Cercospora *latens*, Ell. & Ev.  
 Microsphaera *diffusa*, C. & P.

*Lupinus argenteus*, Pursh.  
 Uromyces *Genistae-tinctoriae*, (P.) Wint.  
 Uromyces *Lupini*, B. & C.

*Lupinus argenteus*, Pursh., var. *argophyllus*, Watson.  
 Erysiphe *communis*, (Wallr.) Schl.

*Lupinus Douglasii*, Agardh.  
 { *Uromyces Lupini*, Ell. N. A. F.  
 { *Uromyces Genistae-tinctoriae*, (P.) Wint.

*Lupinus parviflorus*, Nutt.  
 Erysiphe *communis*, (Wallr.) Schl.

*Lupinus perennis*, L.  
 { Erysiphe *communis*, (Wallr.) Schl.  
 { *Erysiphe Martii*, Lev.

*Lupinus Plattensis*, Watson.  
 Phoma *Lupini*, Ell. & Ev.  
 { Uredo *Lupini*, B. & C.  
 { Uromyces *Lupini*, B. & C.  
 { Uromyces *Astragali*, (Opiz.) Sacc.,  
 var. *Lupini*, De Toni.

*Lupinus rivularis*, Dougl.  
 Uromyces *Lupini*, B. & C.

*Lupinus villosus*, Willd.  
 Cercospora *longispora*, Pk.

*Medicago denticulata*, Willd.  
 Cercospora *Medicaginis*, Ell. & Ev.

*Medicago sativa*, L.  
 { *Phacidium Medicaginis*, Lib.  
 { *Pseudopeziza Medicaginis*, Sacc.  
 Rhizoctonia *Medicaginis*, DC.

*Melilotus alba*, Lam.  
 Cercospora *Davisii*, Ell. & Ev.

*Melilotus*, sp. indet.  
 { *Leptosphaeria viridella*, (Pk.) Sacc.  
 { *Heptaineria viridella*, Cke.

*Oxytropis Lamberti*, Pursh.  
 Erysiphe *communis*, (Wallr.) Schl.  
 Phleospora *Oxytropidis*, Ell. & Gall.  
 { *Trichobasis Oxytropidis*, Pk.  
 { *Uredo Oxytropidis*, De Toni.

*Oxytropis monticola*, Gray.  
 Pleospora *herbarum*, (P.) Rabh.

*Oxytropis Uralensis*, DC.  
 Ascochyta *Oxytropidis*, Schrt.

*Oxytropis Uralensis*, DC. var. *pumila*, Ledeb.  
 Pleospora *herbarum*, (P.) Rabh.

*Parkinsonia aculeata*, L.  
 Phyllosticta *Parkinsoniae*, Ell. & Ev.

*Petalostemon candidus*, Michx.  
 Aecidium *Petalostemonis*, Kell. & Carleton.  
 { *Puccinia Petalostemonis*, Farl.  
 { *Uropyxis Petalostemonis*, De Toni.

*Petalostemon multiflorus*, Nutt.  
 Aecidium *Petalostemonis*, Kell. & Carleton.  
 Puccinia *Petalostemonis*, Farl.

*Petalostemon violaceus*, Michx.  
 { *Puccinia Petalostemonis*, Farl.  
 { *Uropyxis Petalostemonis*, De Toni.

*Phaseolus helvolus*, L.  
 Erysiphe *communis*, (Wallr.) Schl.

*Phaseolus lunatus*, L.  
 Phytophthora *Phaseoli*, Thaxter

*Phaseolus pauciflorus*, Benth.  
 Uromyces *appendiculatus*, (P.) Lev.

*Phaseolus perennis*, Walt.  
 Erysiphe *communis*, (Wallr.) Schl.

*Phaseolus vulgaris*, L.  
 { *Gloeosporium Lindemuthianum*, Sacc.  
 { *d. Magnus*.  
 Coletotrichum *Lindemuthianum*, Scribner.

*Phaseolus*, sp. indet.  
 Corticum *pezizoideum*, Ell. & Ev.  
 Isariopsis *griseola*, Sacc.  
 Macrosporium *fasciculatum*, C. & E.

*Pisum sativum*, L.  
 Ascochyta *Pisi*, Lib.  
 Phytomyxa *Leguminosarum*, (Frank.) Schrt.  
 { *Pleospora herbarum*, (P.) Rabh.  
 { *Pleospora Pisi*, (Sow.) Fckl.

Pleospora *hyalospora*, Ell. & Ev.  
 Septoria *Pisi*, Westd.

*Psoralea argophylla*, Pursh.  
 Aecidium *Psoraleae*, Pk.  
 Parodiella *perisporioides*, (B. & C.) Speg.

*Psoralea macrostachys*, DC.  
 { *Calloria myriospora*, Phil. & Hark.  
 { *Orbilia myriospora*, Sacc.

*Psoralea tenuiflora*, Pursh.  
 { *Uromyces Fabae*, (P.) DBy.  
 { *Uromyces Orobii*, Fckl.

*Robinia Pseudacacia*, L.  
 { *Valsa ludibunda*, Sacc.  
 { *Eutypa ludibunda*, Sacc.

*Gloeosporium revolutum*, Ell. & Ev.

*Herpotrichia rhodomphala*, (B.) Sacc.  
 { *Polyporus rimosus*, B.  
 { *Fomes rimosus*, Cke.

*Rosellinia pulveracea*, (Ehrh.) Fckl.  
 { *Corticium muscigenum*, B. & Br.  
 { *Stereum muscigenum*, Cke.

*Robinia viscosa*, Vent.  
*Cytospora orthospora*, B. & C.

*Robinia*, sp. indet.  
 { *Boletus triquetus*, S. Syn. Car.  
 { *Polyporus cuticularis*, S. Am. bor.  
 { *Polyporus conchatus*, (P.) Fr.  
 { *Metaspheeria anisometra* (Cke. & Hark.) Sacc.  
 { *Endophlaea anisometra*, Cke.

*Rosellinia Aquila*, (Fr.) De Not.

*Teichospora pezizoides*, Sacc. & Speg.

*Sesbania macrocarpa*, Muhl.  
*Physalospora Sesbaniae*, Ell. & Ev.

*Sphaerella Sesbaniae*, Ell. & Ev.

*Sesbania*, sp. indet.  
*Botryosphaeria minor*, Ell. & Ev.

*Sophora secundiflora*, Lag.  
*Phyllosticta Sophorae*, Ell. & Ev.

*Thermopsis montana*, Nutt.  
*Erysiphe communis*, (Wallr.) Schl.

*Thermopsis rhombifolia*, Richard.  
*Phoma Thermopsisidis*, Ell. & Gall.

*Trifolium dasypodium*, Torr. & Gr.  
*Uromyces minor*, Schrt.

*Trifolium hybridum*, L.  
*Uromyces Trifolii*, (Hedw. f.) Lev.

*Trifolium involucratum*, Willd.  
*Erysiphe communis*, (Wallr.) Schl.  
*Uromyces Trifolii*, (Hedw. f.) Lev.

*Trifolium longipes*, Nutt.  
*Erysiphe communis*, (Wallr.) Schl.

*Trifolium Parryi*, Gray.  
*Uromyces Trifolii*, (Hedw. f.) Lev.

*Trifolium pratense*, L.  
 { *Ophiobolus collapsus*, Ell. & Sacc.  
 { *Raphidospora collapsa*, Cke.  
 { *Phacidium Trifolii*, (Berkh.) Boud.  
 { *Pseudopeziza Trifolii*, Fckl.

*Verticillium dichotomum*, Ell. & Ev.

*Volutella flexuosa*, C. & E.

*Trifolium repens*, L.  
 { *Schinzia Leguminosarum*, Frank.  
 { *Phytomyxa Leguminosarum*, Schrt.

*Stagonospora Trifolii*, Ell. & Ev.

*Trifolium*, sp. indet.  
*Lophiostoma caulinum*, (Fr.) Ces. & De Not.  
*Streptothrix glauca*, Ell. & Ev.

*Vicia Americana*, Muhl.  
*?Peronospora Trifoliorum*, DBy.

*Vicia Americana*, Muhl. var. *linearis*, Watson.  
*Erysiphe communis*, (Wallr.) Schl.  
*Microsphaera Ravenelii*, B.

*Vicia sativa*, L.  
 { *Pleospora hyalospora*, Ell. & Ev.  
 { *Pleospora Americana*, Ell. & Ev.

*Caesalpiniaceae.*

*Cassia Chamaecrista*, L.  
*Septoria cassiaecola*, Kell. & Swingle.

*Cercis Canadensis*, L.  
 { *Peziza cinereofusca*, S.  
 { *Cyphella cinereofusca*, Sacc.  
 { *Lachnella cinereofusca*, Sacc.

*Cercis*, sp. indet.  
 { *Patellaria Lecideola*, Fr.  
 { *Durella Lecideola*, Rehm.

*Gleditschia triacanthos*, L.  
 { *Calloria rubrococcinea*, Rehm. & Wint.  
 { *Orbilia rubrococcinea*, Sacc.  
 { *Leptostroma hypophyllum*, B. & Rav.  
 { *Melasmia Gleditschiae*, Ell. & Ev.

*Myriangium Curtissii*, B. & Mont.  
*Nectria sphaerospora*, Ell. & Ev.

*Gleditschia*, sp. indet.  
 { *Peziza cinereofusca*, S.  
 { *Lachnella cinereofusca*, Sacc.

*Gymnocladus Canadensis*, Lam.  
*Amerosporium subcaulatum*, Ell. & Kell.  
 { *Cercospora Gymnocladi*, Ell. & Kell.  
 { *Cercospora superflua*, Ell. & Holw.

*Mimoseae.*

*Acacia*, sp. indet.  
*Coniothyrium punctum*, Cke. & Hark.  
*Diplodia Phyllactinia*, Cke. & Hark.  
 { *Physarum nodulosum*, Cke. & Balf.  
 { *Badhamia nodulosa*, Massee.

*Leguminosae*, sp. indet.  
 { *Triphragmium deglubens*, B. & C.  
 { *Phragmidium* ? *deglubens*, De Toni.

*ROSACEAE.*

*Amygdaleae.*

*Prunus Americana*, Marshall.  
 { *Septoria cerasina*, Pk.  
 { *Cylindrosporium Padi*, Karst.

{ *Podosphaera Oxyacanthae*, (DC.) D By.  
 { *Podosphaera tridactyla*, (Wallr.) DBy.  
*Valsa leucostoma*, (P.) Fr.

***Prunus Amygdalus*, Baill.**

{ *Puccinia Pruni-spinosae*, P.  
 { *Puccinia Pruni*, DC.  
 { *Uredo Castagniei*, Rav. Fung. Car.

***Prunus Armeniaca*, L.**

{ *Septoria cerasina*, Pk.  
 { *Septoria Pruni*, Ell.  
*Cylindrosporium Padi*, Karst.

***Prunus Cerasus*, L.**

{ *Sphaeronomia Persicae*, (S.) Ell.  
 { *Cornularia Persicae*, Sacc.  
*Cylindrosporium Padi*, Karst.

***Prunus Chicasa*, Michx.**

*Taphrina Pruni*, (Fckl.) Tul.

***Prunus domestica*, L.**

{ *Septoria cerasina*, Pk.  
 { *Cylindrosporium Padi*, Karst.  
*Podosphaera Oxyacanthae*, (DC.) DBy.  
 { *Puccinia Pruni-spinosae*, P.  
 { *Puccinia Pruni*, DC.

***Prunus Lauro-Cerasus*, L.**

*Cercospora cladosporioides*, Sacc.

***Prunus maritima*, Wang.**

*Puccinia Pruni-spinosae*, P.

***Prunus Padus*, L.**

*Cylindrosporium Padi*, Karst.

***Prunus Pennsylvanica*, L. f.**

*Irpex paradoxus*, (Schrad.) Fr.

*Odontia Pruni*, Lasch.

*Poria latemarginata*, (Dur. & Mont.) Sacc.

*Taphrina deformans*, (B.) Tul.

***Prunus Persica*, Benth. & Hook.**

*Cladosporium carpophilum*, Thm.

{ *Cercospora Persica*, Sacc.  
 { *Cercospora Persica*, Sacc.

{ *Septoria cerasina*, Pk.  
 { *Cylindrosporium Padi*, Karst.  
 { *Polyporus cervinus*, (S.) Fr.  
 { *Polystictus cervinus*, Cke.

*Polyporus versicolor*, (L.) Fr.

{ *Oidium leucoconium*, Desm.  
 { *Sphaerotheca pannosa*, (Wallr.) Lev.

***Prunus serotina*, Ehrh.**

{ *Septoria cerasina*, Pk.  
 { *Cylindrosporium Padi*, Karst.

*Gloeosporium ovalisporum*, Ell. & Ev.

*Lophiostoma Pruni*, Ell. & Ev.

{ *Puccinia Pruni-spinosae*, P.  
 { *Puccinia Pruni*, DC.  
 { *Taphrina Pruni*, Tul.  
 { *Taphrina Farlowii*, Sadebeck.

***Prunus subcordata*, Benth.**

*?Plowrightia morbosa*, (S.) Sacc.

***Prunus Virginiana*, L.**

*Dendryphium muricatum*, Ell. & Ev.  
*Lachnella flammula*, (A. & S.) Fr.  
*Peniophora occidentalis*, Ell. & Ev.  
 { *Phyllosticta destruens*, Desm.  
 { *Phoma Virginiana*, Ell. & Halsted.  
 { *Puccinia Pruni-spinosae*, P.  
 { *Puccinia Pruni*, DC.

*Septoria cerasina*, Pk.

*Teichospora Helena*, Ell. & Ev.

*Valsa leucostoma*, (P.) Fr.

***Prunus* (Plum).**

{ *Monilia fructigena*, P.  
 { *Oidium fructigenum*, Kze. & Schm.  
*Exoascus deformans*, (B.) Fckl.  
*Hypoxylon commutatum*, (Nits.)  
*Massaria conspurcata*, (Wallr.) Sacc  
*Pestalozzia adusta*, Ell. & Ev.

***Prunus* (Cherry).**

{ *Monilia fructigena*, P.  
 { *Oidium fructigenum*, Kze. & Schm.  
 { *Sphaeria pustulata*, (Sacc.) Cke.  
 { *Physalospora pustulata*, Sacc.  
*Tuberularia vulgaris*, Tode.  
*Valsaria quadrata*, (S.) Sacc.

***Prunus*, sp. indet.**

*Cucurbitaria setosa*, Ell. & Ev.

{ *Sphaeria excavata*, S.  
 { *Nummularia excavata*, Ell. & Ev.

*Septoria gummigena*, Ell. & Ev.

*Winteria tuberculifera*, Ell. & Ev.

*Rosaceae proprieae.*

***Agrimonia Eupatoria*, L.**

{ *Uredo Agrimoniae-Eupatoriae*, (DC.)  
 { *Wint.*  
 { *Uredo Agrimoniae*, Schrt.  
 { *Thecopora Agrimoniae*, Dietel.

***Alchemilla alpina*, L.**

*Sphaerella melanoplaca*, (Desm.) Awd.

***Alchemilla vulgaris*, L.**

*Coleroa Alchemillae*, (Grev.) Wint.

*Phoma herbarum*, Westd.

{ *Uromyces intrusus*, (Grev.) Lev.  
 { *Trachyspora Alchemillae*, (P.) Fckl.

***Dryas octopetala*, L., var. *integrifolia*,**

Cham. & Schl.

*Laestadia rhytismoides*, Sacc.

*Massarina Dryadis*, Rostrup.

*Melasmia Dryadis*, Rostrup.

{ *Pleospora Dryadis*, Fckl.  
 { *Didymosphaeria Dryadis*, Rostrup.  
*Sphaerella ootheca*, Sacc.

***Fragaria vesca*, L.**

*Ascochyta colorata*, Pk.

*Fragaria Virginiana*, Ehrh.

Ascochyta Fragariae, Sacc.

Synchytrium aureum, Schrt.

*Fragaria*, sp. indet.

{ *Peziza Earliana*, Ell. & Ev.

{ *Mollisia Earliana*, Sacc.

*Heteromeles arbutifolia*, Roem.

{ *Peziza Heteromelis*, Phil. & Hark.

{ *Pyrenopeziza Heteromeles*, Sacc.

*Neillia opulifolia*, Benth. & Hook.

{ *Lophiotrema Spiraeae*, (Pk.) Sacc.

{ *Lephiosphaera Spiraeae*, Cke.

{ *Pezizea Opulifoliae*, S.

{ *Trichopeziza Opulifoliae*, Sacc.

*Potentilla Anserina*, L.

Trochila Potentillae, Rostrup.

*Potentilla argentea*, L.

{ *Peziza Dehnii*, Rabh.

{ *Mollisia Dehnii*, Karst.

*Potentilla Canadensis*, L.

{ *Taphrina Potentillae*, Johanson.

{ *Exoascus Potentillae*, Sacc.

*Potentilla dissecta*, Pursh.

Phragmidium Potentillae, (P.) Wint.

*Potentilla emarginata*, Pursh.

Leptostroma Potentillae, (Fr.) Karst.

Pleospora vulgaris, Niessl.

Trochila Potentillae, Rostrup.

*Potentilla gracilis*, Dougl.

Phragmidium Potentillae, (P.) Wint.

*Potentilla maculata*, Pourret.

Microthyrium arcticum, Oud.

Physalospora Potentillae, Rostrup.

Pleospora herbarum, (P.) Rabh.

Pleospora vulgaris, Niessl.

Septoria potentillae, Thm.

Sphaerella punctiformis, (P.) Fr.

*Potentilla nivea* L.

Septoria semilunaris, Johanson.

Trochila Potentillae, Rostrup.

*Potentilla Norvegica*, L.

{ *Peziza Dehnii*, Rabh.

{ *Mollisia Dehnii*, Karst.

Phragmidium Fragariae, (DC.) Wint.

*Potentilla Pennsylvanica* L.

Phragmidium Potentillae, (P.) Wint.

*Potentilla pulchella*, R. Br.

Pleospora herbarum, (P.) Rabh.

*Potentilla tridentata*, Solander.

Phyllosticta potentillae, Sacc.

Trochila Potentillae, Rostrup.

*Rosa Arkansana*, Porter.

Cercospora rosicola, Pass.

Phragmidium speciosum, Fr.

{ Coleosporium miniatum, Bon.  
 { Phragmidium mucronatum, Auct. Amer.  
 { *Phragmidium subcorticium*, (Schrank)  
 { Wint.

{ Oidium leucoconium, Desm  
 { Sphaerotheca pannosa, (Wallr.) Lev.

*Rosa Californica*, Cham. & Schl.

Cercospora rosicola, Pass.

*Rosa lucida*, Ehrh.

Sphaeronemella Rosae, Ell. & Ev.

*Rosa rubiginosa*, L.

{ Sphaeria rhodina, B. & C.  
 { Physalospora rhodina, Cke.

Sphaerella spinicola, Ell. & Ev.

*Rosa*, sp. indet.

{ *Sphaeria Ranii*, Ell. & Eu.  
 { Didymella Rauii, Ell. & Ev.

{ Endophlaea Rauii, Cke.

Lophiotrema auctum, Sacc.

{ *Metasphaeria brachytheca*, (B. & C.) Sacc  
 { Endophlaea brachytheca, Cke.

{ *Metasphaeria leiostega*, (Ell.) Sacc.  
 { Endophlaea leiostega, Cke.

Pestalozzia discosiodoides, Ell. & Ev.

{ *Peziza Rosae*, P.

{ *Tapesia Rosae*, Fckl.

{ *Peziza umbilicata*, B. & C.

{ *Trichopeziza umbilicata*, Sacc.

{ Phragmidium mucronatum, var. Amer-  
 { icanum, Pk.

{ Phragmidium Rosae-alpinae, (DC.) Wint.

{ ?Sphaeria subclypeata, B. & C.

{ Valsa subclypeata, C. & P.

Sporotrichum elaeochroum, Fr.

*Rubus Canadensis*, L.

Phoma lethalis, Ell. & Martin.

*Rubus Chamaemorus*, L.

Leptostroma virgultorum, Sacc., var.  
 rubinum, Karst.

*Rubus delicius*, James.

{ *Lecytha speciosa*, Pk.  
 { *Uredo speciosa*, De Toni.

*Rubus Nutkanus*, Mocino.

{ *Peziza bicolor*, Bull.

{ *Dasyscypha bicolor*, Fckl.

{ *Peziza scabrovillosa*, Phil.

{ *Dasyscypha scabrovillosa*, Sacc.

Phragmidium Rubi-Idaei, (P.) Wint.

*Rubus occidentalis*, L.

Asterina rubicola, Ell. & Ev.

Chrysomyxa albida, Kühn.

Vermicularia compacta, C. & E.

*Rubus odoratus*, L.

{ *Peziza lacerata*, C. & P.  
 { *Pyrenopeziza lacerata*, Sacc.

{ *Peziza subochracea*, C. & P.

{ *Trichopeziza subochracea*, Sacc.

*Phyllosticta bicolor*, Pk.  
*Septoria Rubi*, Westd.  
***Rubus strigosus***, Michx.  
*Botrytis patula*, Sacc. & Berl.  
 { *Clypeosphaeria Hendersoniae*, (Ell.) Sacc.  
 { *Leptosphaeria Hendersoniae*, Cke.  
 { *Gloeosporium Venetum*, Speg.  
 { *Gloeosporium necator*, Ell. & Ev.  
*Peronospora Rubi*, Rabh.  
*Phyllosticta Ruborum*, Sacc.  
*Valsa sepincola*, Fckl.  
***Rubus trivialis***, Michx.  
*Septoria Rubi*, Westd.  
***Rubus ursinus***, Cham. & Schl.  
*Septoria Rubi*, Westd.  
***Rubus villosus***, Ait.  
*Gloeosporium Rubi*, Ell. & Ev.  
 { *Patellaria rhabarbarina*, B.  
 { *Pezicula rhabarbarina*, Tul.  
*Phoma lethalis*, Ell. & Martin.  
*Tubercularia carpogena*, Pk.  
***Rubus***, sp. indet.  
 { *Cenangium Rubi*, (Fr.) Duby.  
 { *Pyrenopeziza Rubi*, Rehm.  
 { *Metaspshaeria anisometra*, (Cke. & Hark.) Sacc.  
 { *Endophlaea anisometra*, Cke. & Hark.  
 { *Peziza rufo-olivacea*, A. & S.  
 { *Lachnella rufo-olivacea*, Sacc.  
 { *Peziza vinosa*, A. & S.  
 { *Orbilia vinosa*, Karst.  
***Sibbaldia procumbens***, L.  
*Sphaerella innumerella*, Karst.  
***Spiraea hypericifolia***, Sieb. & Zucc.  
*Diplodia spiraeicola*, Ell. & Ev.  
***Spiraea salicifolia***, L.  
*Cylindrosporium Filipendulae*, Thm.  
***Spiraea***, sp. indet.  
*Phyllosticta filipendulina*, Sacc. & Speg.  
 Pomaceae.  
***Amelanchier alnifolia***, Nutt.  
*Entomosporium maculatum*, Lev.  
*Erysiphe communis*, (Wallr.) Schl.  
***Amelanchier Canadensis***, Torr. & Gr.  
 { *Metaspshaeria Peckii*, (Speg.) Sacc.  
 { *Sphaerulina Peckii*, Cke.  
*Nummularia discreta*, (S.) Tul.  
*Gymnosporangium Nidus-avis*, Thaxter.  
 (Aecidium.)  
***Crataegus Crus-galli***, L.  
*Corticium nudum*, Fr.  
*Podosphaera Oxyacanthae*, (DC.) DBy.  
*Gymnosporangium globosum*, Farl.  
 (Aecidium.)  
***Crataegus Oxyacantha***, L.  
*Podosphaera Oxyacanthae*, (DC.) DBy.

***Crataegus parviflora***, Ait.  
*Entomosporium Thumenii*, (Cke.) Sacc.  
*Roestelia aurantiaca*, Pk.  
***Crataegus tomentosa***, L.  
*Daedalea confragosa*, P.  
***Crataegus***, sp. indet.  
*Hypoxylon albocinctum*, Ell. & Ev.  
*Morthiera Thumenii*, Cke., var. *sphaerocysta*, Pk.  
 { *Patellaria nigrocinnabarina*, S.  
 { *Blitrydium nigrocinnabarinum*, Sacc.  
*Septoria Crataegi*, Kickx.  
***Cydonia vulgaris***, P.  
*Morthiera Mespili*, (DC.) Fckl., var.  
 Cydoniae, C. & E.  
*Nectria mammoidea*, Phil. & Plow.  
 { *Podosphaera Oxyacanthae*, (DC.) DBy.  
 { *Podosphaera tridactyla*, (Wallr.) DBy.  
*Gymnosporangium globosum*, Farl.  
 (Aecidium.)  
*Gymnosporangium Nidus-avis*, Thaxter.  
 (Aecidium.)  
*Sphaeropsis Cydoniae*, C. & E.  
***Pirus Americana***, DC.  
 { *Cenangium Aucupariae*, (P.) Fr.  
 { *Tympanis Aucupariae*, Wallr.  
*Coronophora gregaria*, (Lib.) Fckl.  
*Diplodia maura*, C. & E., var. *Americana*, Ell.  
*Nummularia repanda*, (Fr.) Nits.  
 { *Aecidium cornutum*, Gmel.  
 { *Roestelia cornuta*, Fr.  
*Gymnosporangium globosum*, Farl.  
 (Aecidium.)  
*Valsa leucostoma*, (P.) Fr.  
***Pirus arbutifolia***, L.  
*Roestelia aurantiaca*, Pk.  
*Roestelia cornuta*, (Gmel.) Fr.  
*Roestelia transformans*, Ell., var. *fructigena*, Thm.  
***Pirus communis***, L.  
 { *Dacryomyces syringicola*, B. & C.  
 { *Dacryomyces destructor*, B. & Rav.  
*Dendrodochium subeffusum*, Ell. & Gall.  
*Entomosporium maculatum*, Lev.  
*Entomosporium maculatum*, Lev., var.  
 carpogenum, Ell. & Ev.  
 { *Metaspshaeria subcutanea*, (C. & E.) Sacc.  
 { *Endophlaea subcutanea*, Cke.  
 { *Leptosphaeria subcutanea*, Ell.  
 { *Monilia fructigena*, P.  
 { *Oidium fructigenum*, Kze. & Schm.  
*Ozonium auricomum*, Lk.  
*Gymnosporangium Nidus-avis*, Thaxter.  
 (Aecidium.)  
*Thelephora pedicellata*, S.

*Pirus coronaria*, L.

Cercospora pirina, Ell. &amp; Ev.

Oidium pirinum, Ell. &amp; Ev.

{ Septoria Piri, Cast.

{ Septoria piricola, Desm.

*Pirus Malus*, L.

Agaricus adiposus, Fr.

{ Agaricus pulvinatus, P.

{ Pleurotus pulvinatus, Sacc. Syll.

Ceratostomella Mali, Ell. &amp; Ev.

Cercospora Mali, Ell. &amp; Ev.

Clitopilus conissans, Pk.

Didymella Mali, Ell. &amp; Ev.

Entomosporium maculatum, Lev.

{ Gloeosporium fructigenum, B.

{ Gloeosporium versicolor, B. &amp; C.

Hendersonia foliorum, Fckl.

Hendersonia Mali, Thm.

Hypoxyton Morsei, B. &amp; C.

{ Monilia fructigena, P.

{ Oidium fructigenum, Kze. &amp; Schm.

Nectria mammoidea, Phil. &amp; Plow.

Ozonium auricomum, Lk.

{ Peziza inquinans, Cke.

{ Patinella inquinans, Sacc.

{ Peziza regalis, C. &amp; E.

{ Pezizella regalis, Sacc.

Phoma piricola, Ell. &amp; Ev.

Phyllosticta pirina, Sacc.

{ Podosphaera Kunzei, Lev.

{ Podosphaera Oxyanthae, (DC.) DBy.

{ Sphaeria collapsa, S.

{ Sphaerella collapsa, Cke.

Sphaerella sentina, (Fr.) Sacc.

{ Sphaeria subbullans, S.

{ Sphaerella subbullans, Cke.

Sphaeropsis Malorum, B.

Sphaeropsis Malorum, B., var. foliicola, Ell. &amp; Ev.

Sporotrichum cinereum, Pk.

Polyporus ignarius, (L.) Fr.

## SAXIFRAGACEAE.

*Deutzia*, sp. indet.

Phyllosticta Deutziae, Ell. &amp; Ev.

*Heuchera cylindrica*, Dougl.

Puccinia Saxifragae, Schl.

*Heuchera parvifolia*, Nutt.

Phyllactinia suffulta, (Reb.) Sacc.

Sphaerotheca Castagnei, Lev.

*Hydrangea arborescens*, L.

{ Uredo Hydrangeae, B. &amp; C.

{ Melampsora Hydrangeae, Farl.

{ Peziza fracta, B. &amp; C.

{ Pyrenopeziza fracta, Sacc.

*Hydrangea arborescens*, L., var. *cor-*

data, Torr. &amp; Gr.

{ Peziza Hydrangeae, S.

{ Piottaea ? Hydrangeae, Sacc.

*Hydrangea*, sp. indet.

Phyllosticta Hydrangeae, Ell. &amp; Ev.

{ Sphaerobolus sparsus, S.

{ Stictis sparsa, Sacc.

*Parnassia Caroliniana*, Michx

{ Didymosphaeria Parnassiae, (Pk.) Sacc.

{ Didymosphaerella Parnassiae, Cke.

*Philadelphus inodorus*, L.

{ Peziza Philadelphi, S.

{ Pezicula ? Philadelphi, Sacc.

*Philadelphus Lewisii*, Pursh.

?Cucurbitaria Kelseyi, Ell. &amp; Ev.

*Ribes cereum*, Dougl.

Sphaerotheca Mors-uvae, (S.) B. &amp; C.

*Ribes floridum*, L'Her.

Asteroma ribicolum, Ell. &amp; Ev.

Microsphaera Grossulariae, Lev.

Sphaerotheca Castagnei, Lev.

*Ribes lacustre*, Poir.

Diaporthe Strumella, (Fr.) Fckl.

*Ribes nigrum*, L.

Microsphaera Grossulariae, Lev.

*Ribes oxyacanthoides*, L.

Peronospora ribicola, Schrt.

*Ribes rotundifolium*, Michx.

Cucurbitaria Ribis, Niessl.

?Homostegia Kelseyi, Ell. &amp; Ev.

Microsphaera Grossulariae, Lev.

Sphaerotheca Mors-uvae, (S.) B. &amp; C.

*Ribes rubrum*, L.

Gloeosporium Ribis, (Lib.) Desm. &amp; Mont.

*Ribes*, sp. indet.

Diplodia Dearnessii, Ell. &amp; Ev.

{ Corticium incarnatum, Fr.

{ Thelephora ribesia, S. Am. bor.

*Saxifraga Aizoon*, Jacq.

Exobasidium Warmingii, Rostrup.

Sphaerella minor, Karst.

*Saxifraga caespitosa*, L.

Pyrenophora chrysospora, (Niessl) Sacc.

*Saxifraga cernua*, L.

Sphaerella pachyasca, Rostrup.

*Saxifraga nivalis*, L.

Phoma Saxifragarum, Westd.

Pyrenophora chrysospora, (Niessl) Sacc.

*Saxifraga oppositifolia*, L.

Sphaerella minor, Karst.

*Saxifraga Pennsylvanica*, L.

Septoria albicans, Ell. &amp; Ev.

*Saxifraga punctata*, L.

{ Puccinia Adoxae, DC.

{ Puccinia pallidomaculata, Ell. &amp; Ev.

- { *Puccinia Chrysosplenii*, Grev.
- { *Puccinia spreta*, N. A. F. 2233.
- Saxifraga tricuspidata***, Retz.
- Cladosporium herbarum*, (P.) Lk.
- Puccinia Saxifragae*, Schl.
- Saxifraga Virginiana***, Michx.
- { *Puccinia Saxifragae*, Schl.
- { *Puccinia striata*, Cke.

## CRASSULACEAE.

- Sedum Ehdioia***, DC.
- Cladosporium herbarum*, (P.) Lk.

## HAMAMELACEAE.

- Hamamelis Virginiana***, L.
- Cercospora Hamamelidis*, Ell. & Ev.
- Dermatella Hamamelidis*, Ell. & Ev.
- { *Polyporus scutellatus*, S.
- { *Fomes scutellatus*, Cke., forma *Noveboracensis*, Sacc. Syll.
- { *Putellaria Hamamelidis*, Pk.
- { *Lecanidion Hamamelidis*, Sacc.
- Liquidambar Styaciflora***, L.
- Cercospora tuberculans*, Ell. & Ev.
- { *Clasterosporium subulatum*, C. & E.
- { *Ceratophorum subulatum*, C. & E.
- Corticium Liquidambaris*, B. in Herb.
- Corticium prasinum*, B. & C.
- Dendrodochium verticillatum*, Cke. & Massee.
- { *Gnomonia petiolorum*, (S.) Cke.
- { *Gnomoniella amoena*, var. *petiolorum*, Sacc.
- { *Peziza cinnabarina*, S.
- { *Lachnella cinnabarina*, Fr.
- { *Peziza saccharifera*, B.
- { *Pseudohelotium sacchariferum*, Sacc.
- { *Peziza vulgaris*, Fr., var. *sanguinella*, B.
- { *Pezizella vulgaris*, Sacc., var. *sanguinella*, Sacc.
- { *Solenia poriaciformis*, (DC.) Fckl.
- { *Tapesia pruinata*, Sacc.
- { *Polyporus biformis*, Fr.
- { *Polystictus biformis*, Fr.

## MYRTACEAE.

- Eucalyptus globulus***, Labill.
- { *Calloria Eucalypti*, Phil. & Hark.
- { *Orbilia Eucalypti*, Sacc.
- { *Didymosphaeria circinans*, Hark.
- { *Didymosphaerella circinans*, Cke.
- { *Peziza emergens*, Phil. & Hark.
- { *Pyrenopeziza emergens*, Sacc.
- { *Peziza subcornea*, Phil. & Hark.
- { *Mollisia subcornea*, Sacc.

- Eucalyptus***, sp. indet.
- { *Agaricus sacchariferus*, B. & Br.
- { *Mycena saccharifera*, Sacc. Syll.
- { *Dermatea Eucalypti*, Cke. & Hark.
- { *Scleroderris Eucalypti*, Sacc.
- { *Metasphaeria anisometra*, (Cke. & Hark.) Sacc.
- { *Endophlaea anisometra*, Cke. & Hark.
- { *Sphaeria plagarum*, Cke. & Hark.
- { *Metasphaeria plagarum*, Berl. & Vogl.
- { *Endophlaea plagarum*, Cke. & Hark.
- { *Peziza carneorosea*, Cke. & Hark.
- { *Pezizella carneorosea*, Sacc.
- { *Peziza rufo-olivacea*, A. & S.
- { *Lachnella rufo-olivacea*, Sacc.
- { *Propolis versicolor*, Fr.
- { *Propolis faginea*, (Schrad.) Karst.

## LYTHRACEAE.

- Lagerstroemia Indica***, L.
- Phoma Lagerstroemiae*, Speg., var. *foliicola*, Ell. & Ev.
- Phyllosticta Lagerstroemiae*, Ell. & Ev.
- Botryodiplodia varians*, Ell. & Langlois.
- Nesaea verticillata***, HBK.
- { *Peziza cyathoidea*, Bull.
- { *Phialea cyathoidea*, Gill.
- { *Peziza subatra*, C. & P.
- { *Pyrenopeziza subatra*, Sacc.

## ONAGRACEAE.

- Epilobium alpinum***, L.
- Puccinia Epilobii*, DC.
- Epilobium coloratum***, Muhl.
- { *Melampsora Epilobii*, (P.) Fckl.
- { *Pucciniastrum Epilobii*, Otth.
- Epilobium hirsutum***, L.
- { *Uredo pustulata*, P.
- { *Pucciniastrum Epilobii*, Otth.
- Epilobium latifolium***, L.
- Asterella Chamaenerii*, Rostrup.
- Gnomonia fenestrans*, (Duby) Sacc.
- Marsonia Chamaenerii*, Rostrup.
- Pleospora herbarum*, (P.) Rabh.
- Ramularia Chamaenerii*, Rostrup.
- Sphaerella pachysasca*, Rostrup.
- Epilobium spicatum***, Lam.
- Cercospora Epilobii*, Schneid.
- Laestadia Epilobii*, (Wallr.) Sacc.
- Marsonia Chamaenerii*, Rostrup.
- { *Melampsora Epilobii*, (P.) Fckl.
- { *Pucciniastrum Epilobii*, Otth.
- Sphaerella microspila*, (B. et Br.) Cke.
- Epilobium tetragonum***, L.
- { *Leccythea macrosora*, Pk.
- { *Uredo macrosora*, De Toni.

*Gaura biennis*, L.

Cercospora Gaurae, Kell. & Swingle.  
Sphaerella granulata, Ell. & Ev.

*Gaura coccinea*, Nutt.

{ *Trichobasis gaurina*, Pk.  
{ *Uredo gaurina*, De Toni.

*Gaura parviflora*, Dougl.

Peronospora Arthuri, Farl.

*Gayophytum ramosissimum*, Torr. & Gr.  
Ustilago Gayophytii, Hark.*Ludwigia polycarpa*, Short & Peter.

Septoria Ludwigiae, Cke.

*Ludwigia*, sp. indet.

{ *Physalospora Ludwgiae*, (Cke.) Sacc.  
{ *Phomatospora Ludwgiae*, Cke.

*Oenothera albicaulis*, Nutt.

Erysiphe communis, (Wallr.) Schl.

*Oenothera biennis*, L.

{ *Accidium Oenotherae*, Pk.  
{ *Aecidium Peckii*, De Toni.

{ *Peziza Oenotherae*, C. & E.  
{ *Pezizella Oenotherae*, Sacc.

Puccinia Epilobii, DC.

*Oenothera cardiophylla*, Torr.

Puccinia Oenotherae, Vize.

*Oenothera serrulata*, Nutt.

{ *Accidium Oenotherae*, Pk.  
{ *Aecidium Peckii*, De Toni.

*Oenothera sinuata*, L.

Peronospora Arthuri, Farl.

{ *Physalospora Oenotherae*, (B. & C.) Sacc.  
{ *Phomatospora Oenotherae*, Cke.

*Oenothera speciosa*, Nutt.

Peronospora Arthuri, Farl.

## LOASACEAE.

*Mentzelia laevicaulis*, Torr. & Gr.

Septoria Mentzeliae, Ell. & Kell.

## PASSIFLORACEAE.

*Passiflora incarnata*, L.

Cercospora fuscovirens, Sacc.

## CUCURBITACEAE.

*Citrullus vulgaris*, Schrad.

{ *Gloeosporium lagenarium*, (Pass.)  
Sacc. & Roum.  
{ *Gloeosporium Lindemuthianum*, N. A. F.,  
1173b nec Sacc. & Magnus.

Gloeosporium lagenarium, (Pass.) Sacc.  
& Roum., var. *foliicolum*, Ell. & Ev.

Septoria Citrulli, Ell. & Ev.

*Cucumis Melo*, L.

Gloeosporium lagenarium, (Pass.) Sacc.  
& Roum.

Oospora Cucumeris, Pk.

*Cucumis sativus*, L.

Cladosporium cucumber, Ell. & Arth.  
Gloeosporium lagenarium, (Pass.) Sacc.  
& Roum., var. *foliicolum*, Ell. & Ev.  
{ *Peronospora Cubensis*, B. & C.  
{ *Plasmopara Cubensis*, Humphrey.

Pythium DeBaryanum, Hesse.

*Cucurbita foetidissima*, HBK.

Macrosporium Sarcinula, B.

*Cucurbita Melopepo*, L.

Gloeosporium lagenarium, (Pass.) Sacc.  
& Roum.

Vermicularia Wallrothii, Sacc.

*Cucurbita Pepo*, L.

Coniosporium Fairmani, Sacc.

Diplodia Cucurbitaceae, Ell. & Langlois.

Peronospora Cubensis, B. & C.

Rhopalomyces Cucurbitarum, B. & Rav.  
Torula herbarum, Lk.

*Cucurbita* (Squash).

Coniosporium Fairmani, Sacc.

Epicoccum purpurascens, Ehrb.

Fusarium lateritium, Nees, var. *aurantium*, Cda.

Gloeosporium lagenarium, (Pass.) Sacc.  
& Roum.

Gloeosporium orbiculare, B.

{ *Peronospora Cubensis*, B. & C.

{ *Plasmopara Cubensis*, Humphrey.

{ *Peziza Cucurbitae*, Gerard.

{ *Pezizella Cucurbitae*, Sacc.

Rhopalomyces elegans, Cda.

*Echinocystis lobata*, Torr. & Gr.

{ *Peronospora australis*, Speg.  
{ *Plasmopara australis*, Swingle.

*Sicyos angulatus*, L.

{ *Peronospora australis*, Speg.

{ *Peronospora sicyicola*, Trelease.

{ *Plasmopara australis*, Swingle.

## CACTACEAE.

*Mamillaria vivipara*, Haworth.

Phoma Mamillariae, Ell. & Ev.

*Opuntia Missouriensis*, DC.

Phoma Mamillariae, Ell. & Ev.

*Opuntia*, sp. indet.

Gloeosporium lunatum, Ell. & Ev.

Sphaerella Opuntiae, Ell. & Ev.

## FICOIDEAE.

*Mollugo verticillata*, L.

Phyllosticta Molluginis, Ell. & Halsted.

## UMBELLIFERAE.

*Angelica genuilexa*, Nutt.

- { *Puccinia Oreoselini*, (Strauss) Korn.
- { *Puccinia Angelicae*, Ell. & Ev.
- { *Puccinia Pimpinellae*, Farl. p.p.
- { *Puccinia Ellisii*, De Toni.

*Angelica lucida*, L.

- { *Sphaeria Angelicæ-lucidae*, S.
- { *Sphaerella Angelicæ-lucidae*, Cke.

*Archangelica atropurpurea*, Hoffm.

- Fusicladium Angelicae*, Ell. & Ev.
- Septoria Dearnessii*, Ell. & Ev.
- Sphaerella Angelicæ*, Ell. & Ev.

*Archangelica officinalis*, Hoffm.

- Asteroma Robergei*, Desm.
- { *Calloria minutissima*, Rostrup.
- { *Orbilia minutissima*, Sacc.
- Heterosphaeria Patella*, (Tode) Grev.
- Laestadia Archangelicae*, Rostrup.
- { *Peziza cyathoidea*, Bull.
- { *Helotium cyathoideum*, Karst.
- { *Phialea cyathoidea*, Gill.
- Phoma complanata*, (Tode) Desm.
- Pyrenophora phaeocomoides*, Sacc.
- Septoria cercosperma*, Rostrup.

*Cicuta maculata*, L.

- Cylindrosporium Cicutæ*, Ell. & Ev.
- { *Peziza cyathoidea*, Bull.
- { *Phialea cyathoidea*, Gill.

*Cymopterus bipinnatus*, Watson.

- Pleospora herbarum*, (P.) Rabh.
- Puccinia Jonesii*, Pk.

*Daucus Carota*, L.

- { *Leptosphaeria comatella*, (C. & E.) Sacc.
- { *Heptameria comatella*, C. & E.
- Macrosporium Carotæ*, Ell. & Langlois.

*Musenium tenuifolium*, Nutt.

- Puccinia Jonesii*, Pk.

*Osmorrhiza longistylis*, DC.

- Cercospora Osmorrhizæ*, Ell. & Ev.

*Pastinaca sativa*, L.

- { *Helotium pastinacinum*, Cke.
- { *Pezizella Pastinaceæ*, (S.) Sacc.

*Petroselinum*, sp. indet.

- Pleospora diaportheoides*, Ell. & Ev.

*Sium cicutaefolium*, Gmel.

- Cercospora Sii*, Ell. & Ev.
- Septoria Sii*, Rob.

*Thaspium barbinode*, Nutt.

- Ascochyta Thaspii*, Ell. & Ev.

*Thaspium aureum*, Nutt., var. *tritoliatum*, Coulter. & Rose.

- Cercospora Thaspii*, Ell. & Ev.

*Zizia cordata*, DC.

- Cylindrosporium Ziziae*, Ell. & Ev.

*Umbelliferae*, sp. indet.

- { *Sphaeria aculeata*, S.
- { *Diaporthe aculeata*, Sacc.
- ? *Metasphaeria Thwaitesii*, (B. & Br.) Sacc.
- { *Peziza extricata*, B. & C.
- { *Lachinella extricata*, Sacc.

## ARALIACEAE.

*Aralia racemosa*, L.

- Ramularia repens*, Ell. & Ev.

*Aralia spinosa*, L.

- Hypoderma virgultorum*, DC.

*Aralia trifolia*, Decaisne & Planchon.

- Puccinia Araliae*, Ell. & Ev.

*Aralia*, sp. indet.

- { *Peziza setigera*, Phil.
- { *Trichopeziza setigera*, Sacc.

*Hedera Helix*, L.

- { *Metasphaeria hederifolia*, (Cke.) Sacc.
- { *Sphaerulina hederifolia*, Cke.
- { *Physalospora Eunotia*, (B. & C.) Sacc.
- { *Phomatospora Eunotia*, Cke.
- { *Metasphaeria helicicola*, (Desm.) Sacc.
- { *Sphaerulina helicicola*, Cke.

## CORNACEAE.

*Cornus florida*, L.

- { *Leptosphaeria olivispora*, (B. & C.) Sacc.
- { *Heptameria olivispora*, Cke.
- { *Peziza exidiella*, B. & C.
- { *Pezizella exidiella*, Sacc.
- { *Peziza miltophthalma*, B. & C.
- { *Mollisia miltophthalma*, Sacc.
- { *Peziza roseoalba*, S.
- { *Trichopeziza roseoalba*, Sacc.
- { *Solenia poriaeformis*, (DC.) Fckl.
- { *Tapesia pruinata*, (S.) Sacc.
- { *Sphaeria Corni*, S.
- { *Sphaerella cornifolia*, Cke.
- { *Sphaerella Corni*, Cke.

*Cornus sericea*, L.

- Ascochyta cornicola*, Sacc.

*Cornus stolonifera*, Michx.

- { *Microsphaera Alni*, (DC.) Wint.
- { *Microsphaera Corni*, Mayr.
- { *Podosphaera Corni*, Mayr.

*Phyllactinia suffulta*, (Reb.) Sacc.*Ramularia stolonifera*, Ell. & Ev.*Cornus Suecica*, L.*Hypoderma commune*, (Fr.) Duby.*Leptostroma herbarum*, (Fr.) Lk.

- { *Patellaria appianata*, B. & C.
- { *Patinella appianata*, Sacc.

*Patellaria rhabarbarina*, B.*Pezicula rhabarbarina*, Tul.*Cornus*, sp. indet.

- { *Dermatea flavocinerea*, Phil.

- { *Cenangiella flavocinerea*, Sacc.

- { *Didymella Corni*, (Sow.) Sacc.
- { *Diplodia papillosa*, Ell. & Ev.
- { *Rhytisma maximum*, Fr.
- { *Cryptomyces maximus*, Rehm.
- Sporidesmium toruloides*, Ell. & Ev.
- Garrya elliptica*, Dougl.
  - { *Pezizella tautilla*, Phil. & Hark.
  - { *Dasyscypha tautilla*, Sacc.
  - { *Phillipsiella purpurea*, Phil. & Hark.
  - { *Harknessiella purpurea*, Sacc.
- Nyssa multiflora*, Wang.
  - { *Peziza nyssae*, Ell.
  - { *Ciboria nyssogena*, Sacc.
  - { *Pleospora thuridonta*, (C. & E.) Sacc.
  - { *Delacourea thuridonta*, Cke.
- Nyssa*, sp. indet.
  - Corticium Nyssae*, B. & C.
  - { *Didymella segna*, (C. & E.) Sacc.
  - { *Endophlaea segna*, Cke.
  - Hydnnum pulcherrimum*, B. & C.
    - { *Patellaria lignyota*, Fr.
    - { *Karschia lignyota*, Sacc.
  - Sporidesmium adscendens*, B.
  - Stereum purpureum*, P.
  - Torula bigemina*, C. & E.
  - Uredo Nyssae*, Ell. & Tracy.

## CAPRIFOLIACEAE.

- Adoxa Moschatellina*, L.
- Puccinia Adoxae*, DC.
- Lonicera involucrata*, Banks.
  - { *Metasphearia anisometra*, (Cke. & Hark.) Sacc.
  - { *Endophlaea anisometra*, Cke.
- Lonicera oblongifolia*, Muhl.
  - Anthostomella limitata*, Sacc.
- Lonicera sempervirens*, L.
  - { *Sphaeria Lonicerae*, Sow.
  - Melomastia Friesii*, Nits.
  - { *Conisphaeria Friesii*, Cke.
- Lonicera*, sp. indet.
  - Leptothyrium Periclymeni*, (Desm.) Sacc.
  - Leptothyrium Periclymeni*, (Desm.) Sacc., var. *Americanum*, Ell. & Ev.
    - { *Metasphearia aulica*, (C. & E.) Sacc.
    - { *Endophlaea aulica*, Cke.
    - { *Leptosphaeria aulica*, Ell.
    - { *Peziza atrata*, P.
    - { *Pyrenopeziza atrata*, Fckl.

- Sambucus Canadensis*, L.
- Diaporthe megalospora*, Ell. & Ev.
- Nectria Sambuci*, Ell. & Ev.
- Valsa ambiens*, (P.) Fr.
- Sambucus nigra*, L., var. *laciniata*,  
*Accidium Sambuci*, S.

- Sambucus racemosa*, L.
  - { *Sphaeria distincta*, S.
  - { *Massaria distincta*, Cke.
  - Microsphaera Alni*, (DC.) Wint.
- Sambucus*, sp. indet.
  - Graphium squarrosum*, Ell. & Langlois.
  - Haplosporella seriata*, Ell. & Ev.
    - { *Pleospora Sambuci*, (Plow.) Sacc.
    - { *Delacourea Sambuci*, Cke.
  - Rosellinia lignaria*, (Grev.) Nits., var. *microspora*, Ell. & Ev.
- Symporicarpus occidentalis*, Hook.
  - Microsphaera Symporicarpi*, Howe.
  - Plowrightia Symporicarpi*, Ell. & Ev.
  - Rosellinia parasitica*, Ell. & Ev.
  - Septoria Symporicarpi*, Ell. & Ev.
  - Teichospora umbonata*, Ell. & Ev.
- Symporicarpas vulgaris*, Michx.
  - Cercospora Symporicarpi*, Ell. & Ev.
- Triosteum perfoliatum*, L.
  - Cylindrosporium Triostei*, Kell. & Swingle.
- Viburnum dentatum*, L.
  - Dinemasporium hispidulum*, (Schrad.) M. A. Curtis.
  - Plasmopara Viburni*, Pk.
- Viburnum Lentago*, L.
  - Pestalozzia Veneta*, Sacc.
    - { *Peziza Lentaginis*, S.
    - { *Dasyscypha Lentaginis*, Sacc.
  - Ramularia Viburni*, Ell. & Ev.
- Viburnum Tinus*, L.
  - Hendersonia Tini*, Ell. & Langlois.
- Viburnum*, sp. indet.
  - { *Dermatocia purpurea*, Ell.
  - { *Cenangium Ellisii*, Sacc.

## RUBIACEAE.

- Cephalanthus occidentalis*, L.
  - Coniothyrium Cephalanthi*, Ell. & Ev.
- Galium Aparine*, L.
  - Septoria Aparine*, Ell. & Kell.
- Galium boreale*, L.
  - Hainesia borealis*, Ell. & Ev.
  - { *Peziza nigritella*, Phil. & Hark.
  - { *Pyrenopeziza nigritella*, Sacc.
- Galium circaeans*, Michx.
  - Cercospora Galii*, Ell. & Holw.
  - Septoria psilostega*, Ell. & Martin.
- Galium stellatum*, Kellogg.
  - Mazzantia Galii*, (Fr.) Mont.
- Galium*, sp. indet.
  - Melasmia* ? *Galii*, Ell. & Ev.
- Houstonia caerulea*, L.
  - Cercospora Houstoniae*, Ell. & Ev.

## COMPOSITAE.

## Tubuliflorae.

*Antennaria plantaginifolia*, Hook.

Cystopus Tragopogonis, (P.) Schrt.

*Arnica cordifolia*, Hook.

Ramularia arnicalis, Ell. &amp; Ev.

*Arctium Lappa*, L.

Helotium sumosum, Ell. &amp; Ev.

Sphaeropsis Lappae, Ell. &amp; Ev.

*Artemisia cana*, Pursh.

Clasterosporium dothideoides, Ell. &amp; Ev.

Melanomma Tetonensis, Ell. &amp; Ev.

*Aster ericoides*, L.

{ Dothidea Haydeni, B. &amp; C.

{ Ophiodothis Haydeni, Sacc.

{ Rhopographus Haydeni, Cke.

*Aster Tradescanti*, L.{ *Xyloma Asteris*, S.{ *Rhytisma Asteris*, S.{ *Rhytisma astericolum*, Sacc.

{ Fungus dubius.

*Bidens cernua*, L.

Sphaerotheca Castagnei, Lev.

*Bidens chrysanthemoides*, Michx.{ *Peronospora Halstedii*, Farl.{ *Plasmopara Halstedii*, Berl. & De Toni.*Bigelovia*, sp. indet.

Dothidea Bigeloviae, Ell. &amp; Ev.

?Dothidea Montaniensis, Ell. &amp; Ev.

?Macrosporium pucciniooides, Ell. &amp; Anders.

*Boltonia asteroides*, L'Her.

Septoria Erigerontis, B. &amp; C., var.

Boltoniae, Webber.

*Chrysopsis villosa*, Nutt.

Aecidium Chrysopsidis, Ell. &amp; Anders.

*Erechtites hieracifolia*, Raf.

Septoria Erechtitis, Ell. &amp; Ev.

*Erigeron annuus*, P.

Ramularia macrospora, Fres., var.

*Erigeron Canadensis*, L.

Sphaerotheca Castagnei, Lev.

*Erigeron Philadelphicus*, L.

Septoria Erigerontis, B. &amp; C.

*Erigeron*, sp. indet.

Macrosporium atrichum, C. &amp; E.

{ *Peziza erigeronata*, Cke.{ *Mollisia erigeronata*, Sacc.*Gutierrezia Euthamiae*, Torr. & Gr.

Aecidium Chrysopsidis, Ell. &amp; Anders.

Puccinia Bigeloviae, Ell. &amp; Ev.

*Helenium autumnale*, L.

Septoria nubilosa, Ell. &amp; Ev.

*Helenium Hoopesii*, Gray.

Septoria Helenii, Ell. &amp; Ev.

*Helianthus tuberosus*, L.{ *Sphaeria consessa*, C. & E.{ *Leptosphaeria consessa*, Sacc.{ *Heptameria consessa*, Cke.*Iva xanthiifolia*, Nutt.{ *Puccinia Compositarum*, N. A. F. 2252

{ nec Schl.

{ *Puccinia xanthiifolia*, Ell. & Ev.*Liatris punctata*, Hook.{ *Aecidium Compositarum*, Mart., var.{ *Liatridis*, Webber ?{ *Aecidium Liatridis*, Ell. & Anders.*Liatris scariosa*, Willd.

Aecidium Compositarum, Mart.,

var. Liatridis, Webber.

*Mikania scandens*, Willd.

Cercospora Mikaniae, Ell. &amp; Ev.

*Petasites palmata*, Gray.

Phyllosticta Petasitidis, Ell. &amp; Ev.

Stagonospora Petasitidis, Ell. &amp; Ev.

*Rudbeckia laciniata*, L.

Phoma Rudbeckiae, Fairman.

*Senecio aureus*, L.

Cercospora Senecionis, Ell. &amp; Ev.

*Senecio triangularis*, Hook.{ *Puccinia conglomerata*, (Strauss) Schm.

{ &amp; Kze.

{ *Puccinia subcircinata* Ell. & Ev.*Solidago Canadensis*, L.

Septoria Canadensis, Ell. &amp; Davis.

Septoria solidaginicola, Pk.

*Solidago latifolia*, L.

Septoria dolichospora, Ell. &amp; Ev.

*Solidago nemoralis*, Ait.

Ramularia Virgaureae, Thm.

*Solidago rigida*, L.

Ramularia Virgaureae, Thm.

*Solidago*, sp. indet.{ *Metasphaeria aulica*, (C. & E.) Sacc.{ *Leptosphaeria aulica*, Ell.

Mollisia atrata, (P.) Karst., var. megalospora, Ell. &amp; Ev.

*Xanthium Canadense*, Mill.

Oidium erysiphoides, Fr.

## Liguliflorae.

*Crepis acuminata*, Nutt.

Aecidium crepidicolum, Ell. &amp; Ev.

*Lactuca Canadensis*, L.{ *Sphaeria subexserta*, C. & E.{ *Didymella subexserta*, Sacc.*Stephanomeria minor*, Nutt.{ *Puccinia Harknessii*, Vize.{ *Puccinia cladophila*, Pk.*Troximon glaucum*, Nutt.

Puccinia Hieracii, Mart.

## ERICACEAE.

*Andromeda ligustrina*, Muhl.

{ *Exobasidium Andromedae*, Pk.  
{ *Exobasidium Vaccinii*, Wor., var.  
{ *Andromedae*, Ell.

*Andromeda nitida*, Bartr.

{ *Sphaeria Andromedae*, S.  
{ *Sphaerella Andromedae*, Cke.

*Andromeda polifolia*, L.

*Sphaerella polifolia*, Ell. & Ev.

*Andromeda*, sp. indet.

{ *Calosphaeria microtheca*, (C. & E.) Sacc.  
{ *Valsa microtheca*, Cke.

*Cenangium urceolatum*, Ell.

{ *Metaphphaeria sublanosa*, (Cke.) Sacc.  
{ *Leptosphaeria sublanosa*, Ell.

*Valsa delicatula*, C. & E.

*Cassiope tetragona*, Don.

{ *Leptosphaeria Andromedae*, (Awd.) Sacc.  
{ *Sphaerulina Andromedae*, Cke.

*Clethra alnifolia*, L.

*Sphaeropsis clethricola*, C. & E.

*Gaultheria procumbens*, L.

*Synchytrium Vaccinii*, Thomas.

*Gaulussia resinosa*, Torr. & Gr.

*Synchytrium Vaccinii*, Thomas.

*Kalmia latifolia*, L.

*Cercospora Kalmiae*, Ell. & Ev.

*Kalmia*, sp. indet.

*Phacidium sphaeroideum*, C. & E.

{ *Sphaeria kalmicola*, Sz.  
{ *Sphaerella kalmicola*, Cke.

*Leucothoe axillaris*, Don.

{ *Sphaeria Andromedae*, S.  
{ *Sphaerella Andromedae*, Cke.

*Leucothoe racemosa*, Gray.

*Dialonectria depauperata*, Cke.

*Rhododendron viscosum*, Torr.

{ *Exobasidium Vaccinii*, (Fckl.) Wor.  
{ *Exobasidium discoideum*, Ell.  
{ *Exobasidium Vaccinii*, var. *discoideum*, Ell.

*Rhododendron*, sp. indet.

*Torula opaca*, Cke.

*Vaccinium corymbosum*, L.

*Ramularia Andromedae*, Ell. & Martin.

*Zignoella paecilostoma*, (B. & Br.), Sacc.

*Vaccinium*, sp. indet.

*Cryptosphaeria vexata*, (C. & E.) Sacc.

*Hendersonia delicatula*, C. & E.

*Speira punctulata*, C. & E.

## PRIMULACEAE.

*Anagallis arvensis*, L.

*Septoria Anagallidis*, Ell. & Halsted.

*Steironema ciliatum*, Raf.

*Aecidium Lysimachiae*, (Schl.) Wallr.

*Leptosphaeria dumetorum*, Niessl.

*Leptosphaeria Steironematis*, Ell. & Ev.

*Peziza Dearnessii*, Ell. & Ev.

*Sphaerella ciliata*, Ell. & Ev.

## EBENACEAE.

*Diospyros Virginiana*, L.

*Ozonium auricomum*, Lk.

## OLEACEAE.

*Chionanthus Virginica*, L.

*Dermatea Chionanthi*, Ell. & Ev.

*Fraxinus Americana*, L.

*Corticium basale*, Pk.

*Ozonium auricomum*, Lk.

*Phyllosticta Coryli*, Westd.

*Phyllosticta variegata*, Ell. & Ev.

*Fraxinus viridis*, Michx. f.

*Chilonectria crinigera*, Ell. & Ev.

*Hypoxylon fuscum*, (P.) Fr.

?*Nectria sphaerospora*, Ell. & Ev.

*Fraxinus*, sp. indet.

*Calonectria Dearnessii*, Ell. & Ev.

{ *Sphaeria Fraxini*, (S.) Fr.

{ *Cenangium Fraxini*, Tul.

*Cucurbitaria Fraxini*, Ell. & Ev.

*Dermatella Fraxini*, Ell. & Ev.

*Diaporthe congener*, Ell. & Ev.

?*Didymosphaeria accedens*, Sacc.

{ *Dimorphopodium pulchrum*, Sacc.

{ *Sarcinella heterospora*, Sacc.

*Epidochium olivaceum*, Ell. & Ev.

*Helminthosporium macrocarpum*, Grev.

*Nectria chlorinella*, Cke.

*Sphaeronema sphaeropsoideum*, Ell. & Ev.

*Thyridaria Fraxini*, Ell. & Ev.

*Syringa*, sp. indet.

*Phoma herbarum*, Westd.

APOCYNACEAE.

*Apocynum*, sp. indet.

*Laestadia Apocyni*, Ell. & Ev.

?*Pestalozziella Andersoni*, Ell. & Ev.

ASCLEPIADACEAE.

*Asclepias areuaria*, Torr.

*Aecidium Brandegei*, Pk.

*Asclepias Cornuti*, Decaisne.

Didymella cornuta, Ell. & Ev.  
Cercospora clavata, (Gerard) Pk.  
Fusarium roseum, Lk.

*Asclepias*, sp. indet.

?Pestalotiella Andersoni, Ell. & Ev.

## GENTIANACEAE.

*Gentiana Saponaria*, L.

Sphaerella Gentianae, Niessl?

*Gentiana*, sp. indet.

Macrosporium compactum, Cke. ?

*Menyanthes trifoliata*, L.

Septoria Menyanthis, (Lib.) Desm.

## POLEMONIACEAE.

*Gilia longiflora*, Don.

Puccinia Giliae, Hark.

## CONVOLVULACEAE.

*Ipomoea Batatas*, Lam.

Acrocystis Batatas, Ell. & Halsted.  
Cercitocystis fimbriata, Ell. & Halsted.  
Monilochaetes infuscans, Ell. & Halsted.  
Phoma Batatae, Ell. & Halsted.  
Rhizopus nigricans, Ehrb.

## SOLANACEAE.

*Capsicum annuum*, L.

Colletotrichum nigrum, Ell. & Halsted.

*Lycopersicum esculentum*, Mill.

Cladosporium lycoperdinum, Cke. ?  
Sporotrichum solubile, S.

*Physalis*, sp. indet.

Podosporium rigidum, S.

*Solanum Dulcamara*, L.

Vermicularia solanoica, Fairman.

*Solanum tuberosum*, L.

Helminthosporium interseminatum, B. & Rav.  
Periola tomentosa, Fr.  
Rhopalomyces elegans, Cda.  
Torula convoluta, Harz.

## SCROPHULARIACEAE.

*Castilleja*, sp. indet.

Aecidium micropunctum, Ell. & Ev.

*Pentstemon glaber*, Pursh.

*Pentstemon grandiflorus*, Nutt.  
Cercospora Pentstemonis, Ell. & Kell.

*Pentstemon virginatus*, Gray.

Aecidium Palmeri, Anderson.

## BIGNONIACEAE.

*Bignonia capreolata*, L.

Asterina Bignoniae, Ell. & Ev.

## LABIATAE.

*Brunella vulgaris*, L.

Leptosphaeria Brunellae, Ell. & Ev.  
Rhabdospora Brunellae, Ell. & Ev.

*Leonurus Cardiaca*, L.

Coniosporium culmigenum, (B.) Sacc.,  
var. minor, Pk.

Helotium fumosum, Ell. & Ev.

*Lycopus Virginicus*, L.

?Phyllosticta Lycopodis, Ell. & Ev.

*Monarda*, sp. indet.

Sphaerella Monardae, Ell. & Ev.

*Nepeta Cataria*, L.

{ Didymella Catariae, (C. & E.) Sacc.  
Physalospora Catariae, Ell.

*Salvia officinalis*, L.

Diaporthe salviaecola, (C. & E.) Sacc.

*Scutellaria lateriflora*, L.

Septoria Scutellariae, Thm.

*Scutellaria parvula*, Michx.

Cercospora Scutellariae, Ell. & Ev.

## PLANTAGINACEAE.

*Plantago Rugelii*, Decaisne.*Plantago Virginica*, L.

Peronospora alta, Fckl.

## AMARANTACEAE.

*Acnida cannabina*, L.

Cercospora Acnidae, Ell. & Ev.

*Acnida tuberculata*, Moq.

{ Cystopus Bliti, (Biv.) Lev.  
{ Cystopus Amaranti, (S.) B.

*Amarantus retroflexus*, L.

Fusarium roseum, Lk.

Phoma longissima, (P.) Westd.

## CHENOPODIACEAE.

*Atriplex patulum*, L., var. *hastatum*,  
Gray.

Phoma longissima, (P.) Westd.

*Chenopodium*, sp. indet.

Phoma picea, (P.) Sacc., var. Chenopodii,  
Karst. & Hariot.

*Eurotia lanata*, Moq.

Aecidium Eurotiae, Ell. & Ev.

*Sarcobatus vermiculatus*, Torr.  
Teichospora mammooides, Ell. & Ev.  
*Spinacea oleracea*, Mill.  
Cladosporium macrocarpum, Preuss.

## POLYGONACEAE.

*Fagopyrum esculentum*, Moench.  
Polyactis vulgaris, Lk.  
Ramularia rufomaculans, Pk.  
*Polygonum dumetorum*, L., var.  
scandens, Gray.  
Puccinia mammillata, Schrt.  
*Polygonum Pennsylvanicum*, L.  
Cercospora Hydropiperis, (Thm.) Speg.  
*Polygonum*, sp. indet.  
Peziza atrocinerea, Cke.  
*Rumex crispus*, L.  
Ramularia pratensis, Sacc.

## LAURACEAE.

*Lindera Benzoin*, Blume.  
Diplodia Linderae, Ell. & Ev.  
*Sassafras officinale*, Nees.  
Diatrype Stigma, (Hoffm.) Fr.  
Valsa subclypeata, C. & P.

## ELAEAGNACEAE.

*Elaeagnus argentea*, Pursh.  
Septoria argyrea, Sacc.  
*Shepherdia argentea*, Nutt.  
Clasterosporium dothideooides, Ell. & Ev.  
Curreya Shepherdiae, Ell. & Ev.  
Fomes Ellisianus, Anders.

## SANTALACEAE.

*Comandra umbellata*, Nutt.  
Cercospora Comandrae, Ell. & Dearnness.

## EUPHORBIACEAE.

*Buxus sempervirens*, L.  
Verticillium Buxi, (Lk.) Awd. & Fleisch.  
*Euphorbia marginata*, Pursh.  
Asteroma Euphorbiae, Fckl.

## URTICACEAE.

*Celtis occidentalis*, L.  
Fusarium Celtidis, Ell. & Tracy.  
Gloeosporium Celtidis, Ell. & Ev.  
*Ficus Carica*, L.  
Ozonium auricomum, Lk.

*Ficus elastica*, L.

Leptostromella elastica, Ell. & Ev.

*Ficus*, sp. indet.

{ Polyactis vulgaris, Lk.  
{ Botrytis vulgaris, Fr.

*Maclura aurantiaca*, Nutt.

Coelosphaeria corticata, Ell. & Ev.  
Leptosphaeria Maclurae, Ell. & Ev.  
Sphaerella Maclurae, Ell. & Ev.

*Morus alba*, L.

{ *Thelephora cinerascens*, S.  
{ *Stereum cinerascens*, Massee.

*Ulmus Americana*, L.

Eutypella longirostris, Pk.  
Pyrenophora Zabriskieana, Ell. & Ev.  
Thyronectria chrysogramma, Ell. & Ev.

*Ulmus fulva*, Michx.

Cryptosporella hypodermia, (Fr.) Sacc.  
Didymosporium effusum, S., var. distinctum, Pk.

*Ulmus*, sp. indet.

Anthostoma gastrinum, (Fr.) Sacc.  
Aposphaeria fabricola, (B.) Sacc.  
Calonectria Dearnnessii, Ell. & Ev.  
Cornularia ulmicola, Ell. & Ev.  
Diatrype Daldiniana, De Not.  
Diatrype Hochelagae, Ell. & Ev.  
Hymenochaete corticolor, B. & Rav.  
Massaria Ulmi, Fckl.  
Myriococcum consimile, Ell. & Ev.  
Pestalozzia insidens, Zabriskie.  
Pestalozzia rostrata, Zabriskie.  
Sphaeropsis ulmicola, Ell. & Ev.  
Typhula subfasciculata, Ell. & Ev.

*Urtica*, sp. indet.

Cylindrocolla Urticae, (P.) Bon.

## PLATANACEAE.

*Platanus occidentalis*, L.

Discosia Artocreas, (Tode) Fr.  
Metasphaeria rubida, Ell. & Ev.  
Nectria athroa, Ell. & Ev.  
{ Massaria Platani, Ces.  
{ Massaria atroinquinans, B. & C.

## JUGLANDACEAE.

*Carya alba*, Nutt.

Gloeosporium Caryae, Ell. & Dearnness.

*Carya tomentosa*, Nutt.

Cercospora Halstedii, Ell. & Ev.

*Carya*, sp. indet.

*Thelephora retiformis*, B. & C.

Phyllosticta caryigena, Ell. & Ev., var.  
subfusca, Ell. & Ev.

{ *Hypoxylon nucitena*, B. & C.  
 { *Amphisphaeria nucitena*, Cke.  
 { *Melanomma nuclearium*, (De Not.) Berl.

*Diatrype Stigma*, (Hoffm.) Fr.

*Pseudovalsa Fairmani*, Ell. & Ev.

*Valsaria insitiva*, Ces. & De Not.

*Juglans cinerea*, L.

{ *Gloeosporium Juglandis*, (Lib.) Mont.  
 { *Marsonia Juglandis*, Sacc.

*Phoma albovestita*, Fairman.

*Juglans*, sp. indet.

*Polyporus sulfureus*, (Bull.) Fr.

#### MYRICACEAE.

*Myrica asplenifolia*, Endl.

{ *Thyridaria Comptoniae*, (Ell. & Ev.)  
     Berl. & Vogl.  
 { *Diatrypella Comptoniae*, Ell.

#### CUPULIFERAE.

*Alnus incana*, Willd.

*Anthostoma ? microsporum*, Karst.

*Alnus serrulata*, Willd.

{ *Tremella enata*, B. & C.  
 { *Dacryomyces enatus*, Massee.

*Alnus*, sp. indet.

*Calosphaeria alnicola*, Ell. & Ev.

*Diaporthe nivosa*, Ell. & Holw.

*Nectria pithoides*, Ell. & Ev.

*Betula lutea*, Michx. f.

*Ditiola conformis*, Karst.

*Irpex rimosus*, Pk.

{ *Peziza cerina*, P.  
 { *Lachnella cerina*, Phil.

*Betula*, sp. indet.

{ *Tremella sarcoides*, (Jacq.) With.  
 { *Bulgaria sarcoides*, Fr.

*Dacryomyces fragiformis*, S.

{ *Diatrype Stigma*, (Hoffm.) Fr., var.  
 { *Diatrype Dearnellii*, Ell. & Ev.

*Lentinus strigosus*, (S.) Fr.

*Melanconium gracile*, Ell. & Ev.

*Thrysidium botryosporum*, (Fr.) Mont.

*Valsa angulosa*, Nits.

*Valsa oxyspora*, Pk.

*Carpinus Caroliniana*, Walt.

*Calosphaeria microsperma*, Ell. & Ev.

*Clasterosporium cornigerum*, Ell. & Ev.

*Coryneum umbonatum*, Nees.

*Cylindrosporium Dearnellii*, Ell. & Ev.

*Dacryomyces fragiformis*, S.

*Diaporthe leucosarca*, Ell. & Ev.

*Diatrypella informis*, Ell. & Ev.

{ *Fusicladium effusum*, Wint., var. car-  
     pineum, Ell. & Ev.

*Sphaeria melogramma*, P.

*Melogramma campulosporum*, Fr.

*Melogramma vagans*, De Not.

*Sphaeria fuscospora*, S.

*Melogramma Bulliardii*, Tul.

*Hypocrea Ravenelii*, B.

*Hypoxylon myriangiodes*, B. & Rav.

*Diatrype lateritia*, Ell.

*Thyridaria lateritia*, Sacc.

*Thyridaria ? myriangiodes*, Sacc.

*Melogramma ? fuscosporum*, Sacc.

*Broomella Ravenelii*, Sacc.

*Melogramma myriangiodes*, Cke.

*Melogramma lateritia*, Cke.

*Stereum purpureum*, Pers.

{ *Pseudovalsa Titan*, (B. & Rav.) Sacc.  
 { *Titania Berkeleyi*, Berl.

*Castanea sativa*, Mill., var. *Japonica*.

*Laestadia orientalis*, Ell. & Ev.

*Pestalozzia affinis*, Ell. & Ev.

*Castanea sativa*, Mill., var. *Americana*.

Watson.

*Hymenochaete insularis*, B.

*Castanea*, sp. indet.

*Ceratostoma carpophilum*, Ell.

*Hypoxylon effusum*, Nits.

{ *Melanomma Eckfeldtii*, (Ell.) Sacc.  
 { *Didymella Eckfeldtii*, Berl.

*Zignoella Eckfeldtii*, Ell.

*Septonema spilomeum*, B.

*Fagus ferruginea*, Ait.

*Barya parasitica*, Fckl., var. *caespitosa*, Pk.

*Gloeosporium Fagi*, (Rob.) Westd., var.

Americana, Ell. & Ev.

*Haematomyces faginea*, Pk.

*Polyporus marginatus*, (P.) Fr.

*Ostrya Virginica*, Willd.

{ *Melogramma vagans*, De Not.  
 { *Hypocrea Ravenelii*, B.

*Quercus alba*, L.

*Daldinia vernicosa*, (S.) Ces. & De Not.

*Hydnus pallidum*, C. & E.

*Stereum sulfuratum*, B. & Rav.

*Quercus coccinea*, Wang.

*Dichaena strumosa*, Fr.

*Gloeosporium septorioides*, Sacc.

*Marsonia Martini*, Sacc. & Ell.

*Pestalozzia hysteriformis*, B. & C.

*Pestalozzia taphrinicola*, Ell. & Ev.

*Quercus coccinea*, Wang., var. *tinctoria*, Gray.

*Gnomonia clavulata*, Ell.

*Quercus falcata*, Michx.

*Thelephora Perdix*, Hartig.

*Quercus ilicifolia*, Wang.

*Dichaena strumosa*, Fr.

*Quercus macrocarpa*, Michx.

*Gloeosporium septorioides*, Sacc.

*Hirneola Auricula-Judae.* (L.) B.

*Marsonia Martini*, Sacc. & Ell.

*Sphaerella nigrita*, Cke.

*Quercus rubra*, L.

♂ *Gloeosporium septorioides*, Sacc.

*Phoma allantella*, Pk.

*Valsaria cincta*, (Curr.) Sacc.

*Quercus virens*, Ait.

*Rosellinia glandiformis*, Ell. & Ev.

*Quercus*, sp. indet.

#### PYRENOMYCETES.

*Byssosphaeria Aquila*, (Fr.) Cke.

*Ceratostoma cirrhosum*, (P.) Fekl.

*Chaetosphaeria atrobarba*, (C. & E.) Sacc.

*Cryptovalsa sparsa*, Ell. & Ev.

*Diaporthe crinigera*, Ell. & Ev.

*Didymosphaeria Cupula*, (Ell.) Sacc.

*Eutypa Acharii*, Tul.

*Helotium subtile*, Fr. ?

*Hypocrea melaleuca*, Ell. & Ev.

*Hysterium Cookeanum*, Gerard.

♂ *Kalmusia pachyasca*, (C. & E.) Sacc.

♂ *Melanomma pachyascum*, Bert.

♂ *Lophiostoma hysteroides*, Ell. & Langlois, nec Sacc.

♂ *Lophiotrema hysteroides*, Berl.

*Lophiostoma scelestum*, C. & E.

♂ *Massaria inquinans*, (Tode) Fr.

*Melanomma fuscidulum*, Sacc.

*Sphaerella maculiformis*, (P.) Awd.

*Valsa albofusca*, C. & E.

♂ *Wallrothiella melanostigma*, (C. & E.) Sacc.

♂ *Melanopsamma melanostigma*, Ell.

#### FUNGI IMPERFECTI.

*Botrytis atroviridis*, C. & E.

*Clasterosporium Hirudo*, Sacc.

*Cylindrium elongatum*, Bon.

*Diplodia glandicola*, C. & E.

*Helminthosporium inflatum*, B. & Rav.

*Menispora glauconigra*, C. & E.

*Pilidium quercinum*, Cke. in Ellis Cat.

*Speira minor*, Sacc.

*Stilbum vulgare*, Tode.

#### DISCOMYCETES.

*Agyrium rufum*, (P.) Fr.

*Bulgaria purpurea*, Fekl.

*Bulgaria sarcoides*, (Jacq.) Fr.

♂ *Peziza chlora*, S.

♂ *Chlorosplenium Schweinitzii*, Fr.

♂ *Peziza Fairmani*, Ell. & Ev.

♂ *Pseudohelotium Fairmani*, Sacc.

*Peziza fusca*, P.

*Peziza fuscidula*, Cke.

#### UREDINEAE.

♂ *Crinula paradoxa*, B. & C.

♂ *Cronartium asclepiadeum*, (Willd.) Fr.,

var. *Quercuum*, B. & C.

*Pistillaria paradoxa*, Cke.

*Cronartium paradoxum*, Farl.

#### HYMENOMYCETES.

*Chromosporium vitellinum*, Sacc. & Ell.

*Corticium auriforme*, B. & C.

*Corticium prasinum*, B. & C.

*Grandinia granulosa*, (P.) Fr.

*Hydnnum Caput-Medusae*, Bull.

*Hymenochaete spreta*, Pk.

*Lentinus strigosus*, (S.) Fr.

*Mucronoporus Andersoni*, Ell. & Ev.

*Pholiota aeruginosa*, Pk.

*Polyporus caesius*, Fr. ?

♂ *Polyporus contiguus*, (P.) Fr.

♂ *Mucronoporus contiguus*, Ell. & Ev.

♂ *Polyporus igniarius*, (L.) Fr.

♂ *Mueronoporus igniarius*, Ell. & Ev.

*Polyporus marginatus*, (P.) Fr.

♂ *Polyporus Medulla-panis*, (P.) Fr.

♂ *Poria Medulla-panis*, Cke.

*Polyporus obtusus*, B.

*Stereum acerinum*, (P.) Fr.

*Stereum coffeatum*, B. & C.

♂ *Tremella enata*, B. & C.

♂ *Dacryomyces enatus*, Massee.

*Tremella stipitata*, Pk.

#### SALICACEAE.

*Populus alba*, L.

♂ *Gloeosporium Castagnei*, Desm. & Mont.

♂ *Marsonia Castagnei*, Sacc.

*Populus balsamifera*, L.

*Septoria musiva*, Pk.

*Populus monilifera*, Ait.

*Hypocrea contorta*, (S.) B. & C.

*Teichospora Kansensis*, Ell. & Ev.

*Valsa floriformis*, Ell. & Ev.

*Populus tremuloides*, Michx.

*Corticium mutatum*, Pk.

*Lentinus pholioides*, Ell. & Anders.

*Nectria sulfurata*, Ell. & Ev.

*Septonema griseofulvum*, Ell. & Ev.

*Septoria musiva*, Pk.

*Sporidesmium tabacinum*, Ell. & Ev.

*Populus*, sp. indet.

*Coniosporium subgranulosum*, Ell. & Ev.

♂ *Kalmusia surrecta*, (Cke.) Sacc.

♂ *Melanomma surrectum*, Berl.

*Poplar* (Populus ?).

Alternaria tenuis, Nees.  
 { *Amphisphaeria subiculosa*, Ell. & Ev.  
 { *Herpotrichia diffusa*, (S.) Ell. & Ev.  
*Corticium rhodellum*, Pk.  
***Salix alba***, L.  
*Corticium Berkeleyi*, Cke.  
***Salix Babylonica***, Tourn.  
*Comatricha longa*, Pk.  
***Salix chlorophylla***, And.  
*Diatrypella Demetrianis*, Ell. & Ev.

***Salix cordata***, Muhl.

{ *Melampsora Salicis-Capreae*, (P.) Wint.  
 { *Melampsora farinosa*, (P.) Schrt.

***Salix humilis***, Marsh.

*Uncinula adunca*, Lev.

***Salix longifolia***, Muhl.

{ *Uncinula adunca*, Lev.  
 { *Uncinula Salicis*, (D.C.) Wint.

***Salix lucida***, Muhl.

*Marsonia apicalis*, Ell. & Ev.

***Salix nigra***, Marsh.

{ *Lophiostoma Langloisii*, Ell. & Ev.  
 { *Melanomma Langloisii*, Berl.  
 { *Uncinula adunca*, Lev.  
 { *Uncinula Salicis*, (D.C.) Wint.  
*Valsa nivea*, (Hoffm.) Fr.

***Salix***, sp. indet

*Anthostoma Ontariense*, Ell. & Ev.  
*Coniothecium toruloides*, Cda.  
*Daedalea pallidofulva*, B.  
*Didymella Canadensis*, Ell. & Ev.  
*Marsonia nigricans*, Ell. & Ev.  
*Melanconis salicina*, Ell. & Ev.  
*Teichospora Helenae*, Ell. & Ev.  
*Teichospora megastega*, Ell. & Ev.  
*Teichospora papillosa*, Ell. & Ev.  
*Trametes Peckii*, Kalchb.  
*Valsa boreella*, Karst.  
*Valsa canodisca*, Ell. & Holw.  
*Valsaria salicina*, Ell. & Ev.  
*Volutella occidentalis*, Ell. & Anders.,  
 var. minor, Ell. & Anders.

## SCITAMINEAE.

***Musa***, sp. indet.

*Acrostalagmus cinnabarinus*, Cda.  
 { *Myxosporium Musae*, B. & C.  
 { *Gloeosporium Musae*, Ell. & Ev.

## DIOSCOREACEAE.

***Dioscorea villosa***, Torr.

*Ramularia Dioscoreae*, Ell. & Ev.

## LILIACEAE.

***Allium***, sp. indet.  
*Chaetocladium Brefeldii*, Van Tieghem  
 & Le Mon.  
*Pleospora Allii*, (Rabh.) Ces. & De Not.

***Dasyliodon***, sp. indet.  
*Coniothyrium hysterioideum*, Karst.  
***Lilium***, sp. indet.  
*Polyactis cana*, B.

***Polygonatum giganteum***, Dietrich.  
*Leptostroma Polygonati*, Lasch.

***Smilax hispida***, Muhl.  
*Ascochyta Smilacis*, Ell. & Martin.  
*Cercospora smilacina*, Sacc.

***Smilax***, sp. indet.  
*Anthostomella Ludoviciana*, Ell. & Langlois.  
*Aspergillus pulvinatus*, B. & C.  
*Cyphella subcyanea*, Ell. & Ev.  
*Helicosporium diplosporum*, Ell. & Ev.

***Veratrum viride***, Ait.  
*Vermicularia veratrina*, Ell. & Ev.

## PALMEAE.

***Chamaerops humilis***, L.  
*Graphiola ? compressa*, E. Fischer.

## ARACEAE.

***Peltandra undulata***, Raf.  
*Cercospora pachyspora*, Ell. & Ev.

## LEMNACEAE.

***Spirodela polyrhiza***, Schleid.  
*Cornuella Lemnae*, Setchell.

## ALISMACEAE.

***Alisma Plantago***, L.  
*Cercospora pachyspora*, Ell. & Ev.  
***Sagittaria graminea***, Michx.  
*Doassansia Sagittariae*, (Westd.) Fisch.  
***Sagittaria variabilis***, Engelm.  
*Burrillia pustulata*, Setchell.  
*Doassansia deformans*, Setchell.  
*Doassansia opaca*, Setchell.  
*Doassansia obscura*, Setchell.

## NAIADACEAE.

***Potamogeton***, sp. indet.  
 { *Doassansia Farlowii*, Cornu.  
 { *Doassansia occulta*, (Hoffm.) Cornu.,  
 var. Farlowii, Setchell.  
*Doassansia Martianoffiana*, (Thm.) Schrt.

## CYPERACEAE.

*Carex conoidea*, Schk.

Ramularia Canadensis, Ell. &amp; Ev.

*Carex stricta*, Lam.

Puccinia dioicae, Magnus.

*Carex*, sp. indet.

Phleospora Caricis, Ell. &amp; Ev., var.

emaculata, Ell. &amp; Ev.

Septoria carnea, Ell. &amp; Ev.

*Cyperus cylindricus*, Chapm.

Stagonospora Cyperi, Ell. &amp; Tracy.

## GRAMINEAE.

*Andropogon*, sp. indet.

Stictis Sesleriae, Lib.

Ustilago Nealii, Ell. &amp; Anders.

*Paspalum platycaule*, Poir.

Coryneum Paspali, Ell. &amp; Ev.

## CORRIGENDA.

[\*\* Abbreviations: r, right hand column, l, left hand column; t denotes lines from top of page, b from bottom.]

## PAGE.

1	l 13	b for	Peronospora	read Peronospora.
1	r 1	b "	Leptostrmou	" Leptostroma.
2	l 13	t "	S.	" Pk.
2	l 13	b "	Sacc.	" Pass.
2	r 10	b "	Anenones	" Anemones.
2	r 9	b "	Puccina	" Puccinia.
3	r 19	t omit	Valsa nivea, Hoffm.	
3	r 24	b for	panciseptata	" pauciseptata.
4	l 25	b "	Neelgerrhensis	" Nilgheriensis.
4	l 3	b "	asteromata	" asterostoma.
5	l 1	b "	melaleicum	" melaleicum.
6	l 2	b omit	Aecidium Dicentrae, Trelease.	
6	r 1 & 2	b for	alericola	" olericola.
6 & 7		"	Peronospora parasitica, (P.) Tul.	" Peronospora parasitica, (P.) Fr.
8	r 8	t "	Sacc.	" Mont.
8	r 11	b "	Leptoria	" Septoria.
9	r 2	b "	althaeina	" althaeina.
10	Puccinia Malvastri, Pk.	1885=P.	Sherardiana, Körn.	1877.
11	l 19	t for	Pk.	" Tul.
11	l 25	t "	Exosporum	" Exosporium.
11	l 15	b "	citispora	" citrispora.
11	r 24 & 25	t "	Stemonites	" Stemonitis.
14	l 7 & 8	b "	Trichothecium roseum, Lk.	
			Dactylium roseum, (Lk.) B.	
		read	Trichothecium roseum, Lk.	
			(Dactylium roseum, B.)	
15	Puccinia digitata, Ell. & Hark.	1884=P.	Mesnieriana, Thüm.	1877.
15	l 26	t for	Rav. Fung. Am.	" B. & Br.
15	r 7	t "	(Lib.)	" Cke.
15	r 26	b "	Sphaeronema	" Sphaeronema.
15	r 18	b "	(P.)	" M. A. Curtis.
15	r 15	b "	Fr.	" S.
16	l 26	t "	Peronospora	" Peronospora.
16	r 15	t "	B. & C.	" M. A. Curtis.
17	l 27	b "	Rehm.	" Sacc.
17	r 16 & 26	t "	B. & C.	" M. A. Curtis.
17	r 12	b "	Fr.	" P.
19	l 11	t "	B.	" M. A. Curtis.
19	l 27	t "	Rehm.	" Sacc.

PAGE.

20	r 1	b for Cke.	" M. A. Curtis.
21	r 17	b " spondoleucus	" spodoleucus.
22	1 23	b omit <i>Patellaria congregata</i> , B. & C.	
24	1 9	b for <i>Apiosphaeria</i>	" <i>Aposphaeria</i> .
28	1 17	t " <i>lanatus</i>	" <i>lunatus</i> .
28	r 5	t omit <i>Cercospora latens</i> , Ell. & Ev.	
29	r 22	b for Cke.	" M. A. Curtis.
30	1 16	b " (A. & S.) Wint.	" (Hedw. f.) Lev.
30	r 19	b " Sacc.	" Ell & Ev.
34	r 14	t " Rehm.	" Sacc.
34	r 22	t " Cke.	" M. A. Curtis.
37	1 12	t " <i>deliciosa</i>	" <i>speciosa</i> .
40	r 1	t " Fr.	" (Fr.) M. A. Curtis.
44	1 24	t " Fr.	" P.
44	1 7	b " M. A. Curtis	" Fr.
47	1 15	b " <i>Mucur</i>	" <i>Mucor</i> .
47	1 14	b omit <i>Mucosporus</i> , B. & C.	
50	r 19	t for <i>Rosellina</i>	" <i>Rosellinia</i> .
50	r 27	t " Cke.	" M. A. Curtis.
51	1 20	t " Cke.	" M. A. Curtis.
51	1 22	t " <i>Eutypella</i>	" <i>Eutypa</i> .
51	1 3	b " <i>strictum</i>	" <i>striatum</i> .
56	1 8	t " <i>Ilydum</i>	" <i>Hydnum</i> .
59	r 25	b " <i>Cichoracearum</i>	" <i>Cichoracearum</i> .
62	r 8	b " <i>obusta</i>	" <i>robusta</i> ,
66	1 13	b " C. & E.	" Cke.
77	r 3	b for <i>Nemaspora</i>	" <i>Naemaspore</i> .
84	r 3	b " <i>fruticosa</i>	" <i>fruticulosa</i> .
91	r 25	t exclude from brace <i>Septoria Polygonorum</i> , Desm.	
99	1 5	b for <i>Ozonicum</i>	read <i>Ozonium</i> .
100	r 19	t " <i>halosericea</i>	" <i>holosericea</i> .
100	r 1	b " <i>Tnl.</i>	" <i>Tul.</i>
103	r 3	b " <i>mucidium</i>	" <i>mucidum</i> .
120	1 5	b " <i>Phyllactina</i>	" <i>Phyllactinia</i> .
121	1 11	t " <i>Acomyces</i>	" <i>Ascomyces</i> .
123	r 10	b " <i>Trichospora</i>	" <i>Teichospora</i> .
123	r 10	b " <i>Sace.</i>	" <i>Sacc.</i>
128	1 1	t " <i>tomentocinta</i>	" <i>tomentocincta</i> .
129	1 16	t " <i>augustifolia</i>	" <i>angustifolia</i> .
130	1 22	t " <i>Cryptosphaeria</i>	" <i>Cryptosphaeria</i> .
131	1 1	b " <i>Klotzschii</i>	" <i>Klotzschii</i> .
132	1 25	b " <i>Klotzschii</i>	" <i>Klotzschii</i> .
133	1 17	b " <i>concinnaum</i>	" <i>concinnum</i> .
133	r 17	t " <i>Corticium</i>	" <i>Corticium</i> .
137	1 9	t " <i>Puccina</i>	" <i>Puccinia</i> .
139	1 7	t " <i>Spharella</i>	" <i>Sphaerella</i> .
139	1 18	t " <i>aliquanti</i>	" <i>aliquanta</i> .
142	r 32	t " <i>Call</i>	" <i>Calla</i> .
149	1 14	b " <i>Aud.</i>	" <i>Auct.</i>
152	1 2	t " <i>Koehleria</i>	" <i>Koeleria</i> .
169	r 22	t " <i>cupressi</i>	" <i>cupressina</i> .
170	r 12	b " <i>Plebia</i>	" <i>Phlebia</i> .
180	1 14	b " <i>Lithophanae</i>	" <i>Lithophane</i> .
181	1 29	b " <i>Carabidas</i>	" <i>Carabidae</i> .
181	1 8	b " B. & C.	" Cke.

On issuing the third and final part of the Index, we wish to return our thanks to Mr. Sereno Watson for aid in determining the names of host-plants, to Dr. George Vasey for the revision of the names of the grasses; and to Prof. Roland Thaxter for a revision of the list of fungi on insects. We also would acknowledge with thanks information with regard to synonymy and corrections kindly furnished by Mr. J. B. Ellis, Dr. O. Pazschke, Prof. C. H. Peck, and Mr. W. T. Swingle.

The general plan of the Index was sufficiently set forth in the preface of Part I, and it only remains to state the plan pursued in the Addenda. Where species are introduced either as new to this Index, or as occurring on hosts not recorded in the body of the Index, they are printed in common type. Where new varieties of species previously given are introduced, the varietal name only is given in common type, the specific name being in italics. Where the new names are synonymous with names given previously in the Index, they are placed in braces with one or more of the names previously given, the latter being printed in italics. Some of the species before reported are now known either to have been incorrectly determined or not to occur on the hosts originally given, and these facts have been brought out as far as possible by the synonymy or by the use of the words "species excludenda." As before, the arrangement of synonyms in braces is chronological and, in using the Index, it should not be forgotten that unpublished names are not given except in a few cases where necessary to avoid confusion of synonymy.

W. G. FARLOW.

*Cambridge, June 13, 1891.*

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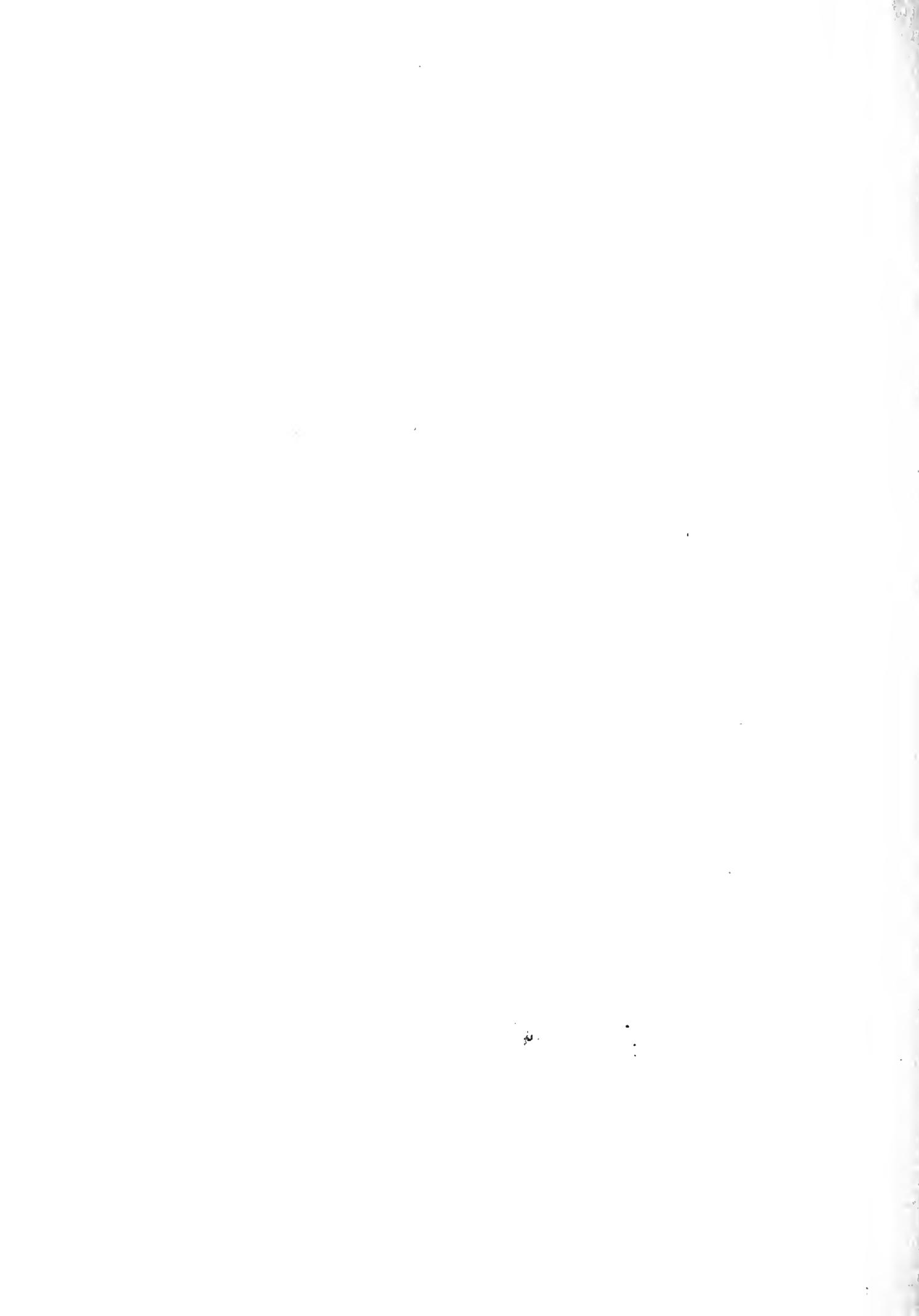
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No. 25.



A LIST OF WORKS ON NORTH AMERICAN FUNGI.

By W. G. FARLOW AND WILLIAM TRELEASE.

CAMBRIDGE, MASS.:

Issued by the Library of Harvard University.

1887.

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# LIST OF WORKS ON NORTH AMERICAN FUNGI,

WITH THE EXCEPTION OF SCHIZOMYCETES, PUBLISHED BEFORE 1887.

By W. G. FARLOW AND WILLIAM TRELEASE.

The following list has been prepared from a card-catalogue of authors used in indexing the species of fungi found in the United States and the northern parts of North America. The list does not include works on *Schizomycetes*, as that group is now studied principally by specialists, and includes forms the greater part of which belong rather to the department of medicine than to botany proper, and the literature of the subject is already well indexed elsewhere. The present list aims to include mainly works of greater or less value to working botanists, and it would be difficult and, perhaps, unnecessary to add the very large number of papers of a popular and indefinite character relating to fungi not specifically named which are scattered through the various agricultural, horticultural, and other journals. Neither has it been thought best to enumerate the general and, to botanists, well-known treatises which include fungi as well as other orders of plants, unless special reference is made to North American species, or unless they contain figures of our species not easily found elsewhere. As it is, the present list, which is the first of the kind yet published, will show that the general belief of botanists not specially studying the subject that very little has been written on North American mycology is by no means correct. The means for obtaining good summaries of the current literature have, within the last few years, been much improved; and, in order to complete the record of the past as far as possible, botanists are requested to send corrections of and additions to the present list, which may be issued in a supplement. Thanks are due to a number of authors who have kindly consented to revise the list of their works for publication.

Where the pages of reprints differ from the original they are put in parenthesis. The dates after authors' names indicate the date of birth, and death is indicated by a cross (†).

W. G. FARLOW.

CAMBRIDGE, February 23, 1887.

## 1. Agricultural Reports.

For papers on fungi in the reports of the Department of Agriculture up to the year 1876 consult the following:—

A general index of the Agricultural Reports of the Patent Office for twenty-five years from 1837-1861, and of the Department of Agriculture for fifteen years from 1862-1876. 8°. pp. 225. Washington. 1879.

Subsequent papers under authors' names.

‡ 2. **American Naturalist**, The. Monthly, illustr. Vol. I.-XX. March, 1867—Jan. 1887. To be continued.

Devoted to all branches of natural history. The first nine volumes published at Salem, Mass., X.-XI. at Boston, XII.-XX. at Philadelphia. For X.-XI. there was an associate editor for botany, G. L. Goodale, and since 1881, XV., C. E. Bessey. Articles on fungi given here under authors' names. Reviews of mycological works by the editors.

**Andrews, Charles Lowell.**

3. Contributions to the Mycology of Massachusetts. *Proc. Boston Soc. Nat. Hist.* V. pp. 321-323. April, 1856.

Remarks on the study of fungi and their economical importance, followed by a list of 36 species collected by the author.

4. **Arctic Manual.** See **MANUAL**.

**Arthur, Joseph Charles.** Lowville, N. Y. 11 Jan. 1850. See **BESSEY, C. E.** See **BOTANICAL GAZETTE**.

‡ 5. — The interpretation of Schweinitzian and other early descriptions. *Am. Nat.* XVII. 77, 78. Jan. 1883.

‡ 6. — Descriptions of Iowa *Uromyces*. *Bull. Minnesota Acad. Nat. Sci.* II. 13-37. Minneapolis. Printed 31 May, 1883.

Descriptions of 12 species, one of them new, *U. acuminatus*, with index of synonyms and host-plants.

‡ 7. — American *Aecidium* on *Ranunculi*. *Bot. Gaz.* IX. 177. Oct. 1884.

Note on aecidia on *Ranunculus abortivus* and *Anemone nemorosa*.

‡ 8. — Preliminary list of Iowa *Uredineae*. *Bull. Iowa Agr. College, Dept. of Botany.* 151-171. Nov. 1884. Issued Jan. 1885.

Enumerates 134 species, and describes 8 new species with index of host-plants. See no. 65. Names of new species in *Jour. Myc.* I. 47.

‡ 9. — Memorandum of Iowa *Ustilagineae*. *Bull. Iowa Agr. College, Dept. of Botany.* 172-174. Nov. 1884. Issued Jan. 1885.

Enumerates 25 species, of which 2 are new. This paper and the preceding were subsequently issued together as a separate paper with original paging.

‡ 10. — Hollyhock disease and the cotton plant. *Science*, V. 2. Jan. 2, 1885. Also *Jour. Myc.* I. 27. Feb. 1885.

Reports experiments by Plowright to show that *Puccinia Malvacearum* will not grow on the cotton plant.

‡ 11. — The *Aecidium* of *Adoxa*. *Bot. Gaz.* X. 369. Sept. 1885. Also *Jour. Myc.* I. 141. Nov. 1885.

States that *Aecidium albescens* is an annual.

‡ 12. — Report of the Botanist to the New York Agricultural Experiment Station. 3d *Annual Rept. N. Y. Agr. Exp. Station* for 1884. pp. 353-385. Fig. 5. 8°. Albany.

Notices of pear blight, *Fusicladium pyrinum*, *F. dendriticum*, *Morthiera Mespili*, *Podosphaera tridactyla*, *Sphaeropsis Cydoniae*, *Exoascus deformans*, peach yellows, gummosis, *Gloeosporium phomoides*, *Ustilago segetum*, *Clematis* disease, etc. For *Clematis* disease see also *Country Gentleman*, 25 June, 1885. This report was distributed about 1 Sept. 1885. See Rev. in *Bot. Centralblatt*, XXIV. 335.

**Arthur**, Joseph Charles.

~ 13. A new larval *Entomophthora*. *Bot. Gaz.* XI. 14-17. Pl. 2. Jan. 1886.

Describes and figures *Ent. Phytonomi* on *P. punctatus*. See also *Jour. Myc.* 11. 35, and 4th *Rept. N. Y. Agr. Exp. Station*. See next title.

14. — Report of the Botanist to the New York Agricultural Experiment Station. 4th *Ann. Rept. N. Y. Agr. Exp. Station* for 1885. 241-265. Fig. 10. 1st edition, Rochester, issued 30 Jan. 1886; 2d edition, Albany, Dec. 1886.

Contains accounts of *Mortheira Mespili* v. *Cydoniae Septoria Lactucae*, *Peronospora gangliformis*, *Oidium fructigenum*, *Entomophthora Phytonomi*, pear blight, the rotting of tomatoes, etc. The second edition has separate paging, but is accompanied by a table referring to original paging.

**Atkinson**, Isaac Edmondson. Baltimore, Md. 23 Jan. 1846.

15. The botanical relations of *Trichophyton tonsurans*. *N. Y. Med. Jour.* XXVIII. 561-575 (1-17). Fig. 3. New York, Dec. 1878.

Account of germination of spores and formation of cyst-like cells.

**Austin**, Coe Finch. Closter, N. J., 20 June, 1831. †Closter, N. J., 18 March, 1880.

~ 16. *Agaricus* with the odor of chlorine. *Torr. Bull.* VI. 278, 279, and 298. Dec. 1878.

Characters of *Agaricus chlorinosmus*, Peck, with notes on its odor.

**Bagnis**, Carlo. 1854. †Aisone, 6 Aug. 1879.

17. *Le Puccinie*. 4<sup>o</sup>. pp. 83. Pl. 1-11. Rome. 1876. Ext. *Att. Reale Acad. Lincei*. 2 ser. Vol. III. Part 2. 641-721.

The author reduces the number of species of *Puccinia* to 51, and gives the synonyms of forms recognized by him, including a number of American species.

**Bailey**, Jacob Whitman. Ward, Mass., 29 April, 1811. †West Point, N. Y., 26 Feb. 1857.

18. Curious microscopic fungus, *Craterium pyriforme*. *Am. Jour. Sci. Arts*, XLII. 195. 1842.

Reports finding this species on rocks at West Point.

**Banning**, Mary Elizabeth. Talbot Co., Md. 1832.

19. Notes on the fungi of Maryland. *Field and Forest*, III. 42-47, 59-63. Sept.-Oct. 1877.

~ 20. — Notes on Fungi. *Bot. Gaz.* V. 5-10, 23. Jan.-Feb. 1880.

General remarks on the occurrence and habit of a number of species.

~ 21. — New species of fungi found in Maryland. *Bot. Gaz.* VI. 165, 166. Jan. 1881.

Characters of 4 Agarics.

22. — Maryland Fungi. *Bot. Gaz.* VI. 200-202, 210-213. April-May, 1881.

Notes on a number of *Hymenomycetes* and *Gasteromycetes*.

**Barnes**, Charles Reid. Madison, Jefferson Co., Indiana, 7 Sept. 1858. See *BOTANICAL GAZETTE*.

~ 23. Oospores in *Capsella*. *Bot. Gaz.* IX. 194. Dec. 1884.

Finds oospores of *Cystopus candidus* in *Capsella*.

**Bary**, (Heinrich) Anton DE. Frankfort-on-the-Main, 26 Jan. 1831.

24. Recherches sur le développement de quelques champignons parasites. Mémoire pour servir de réponse à une question proposée par l'Académie des Sciences en 1861 et pour servir de supplément aux travaux sur la question des générations dites spontanées. *Ann. Sci. Nat. Bot.* 4 ser. XX. 5-148 (1-144). Pl. 1-13. 1863.

Detailed account of observations on the structure and development of *Cystopus*, *Peronospora*, and different *Uredineae* followed by an "Essai d'un synopsis des *Peronosporées*," with full descriptions of all known species, including *P.*

*viticola* from the United States. This monograph appeared originally in the *Annales*, and is not a French translation from the German as is sometimes stated in this country.

25. — Ueber den sogenannten Brenner (Pech) der Reben. *Ann. der Oenologie*, IV. Heft 2 (1-3). 1873.

Reprint only seen. A communication to the editor giving an account of *Sphaceloma ampelinum*, with a note on the *Naemaspore ampelicida* of Engelmann in America.

Other papers of interest, although not treating strictly of North American fungi, are: "Die gegenwärtig herrschende Kartoffelkrankheit, ihre Ursache und ihre Verhütung," 8°, pp. 75, pl. 1, Leipzig, 1861; and "Researches into the nature of the potato-fungus, *Phytophthora infestans*," 8°, pp. 33, fig. 8, London, 1876; and *Jour. Royal Agr. Soc. England*, XII. part 1.

**Berkeley**, Miles Joseph. Biggin, Parish Oundle, Northampton, England, 1 April, 1803. See *Cooke*, M. C., *CURTIS*, M. A., *KLOTZSCH*, F. J., *LEA*, T. G., *DE SEYNES*, J., *WYMAN*, J.

26. — Descriptions of exotic fungi in the collection of Sir W. J. Hooker, from memoirs and notes of J. F. Klotzsch, with additions and corrections. *Ann. Nat. Hist.* III. 375-401. 1839.

Review of species in Klotzsch's papers in *Linnæa*, VII. 193, and VIII. 478. Notes on 42 species from North America.

27. — Supplement to descriptions of exotic fungi in *Annals of Natural History*, vol. III. 322 and 375. *Ann. Nat. Hist.* VII. 451-454. 1841.

Principally notes on species collected by Richardson in British America, with descriptions of 3 new species.

28. — Descriptions of fungi collected by R. B. Hinds, Esq., principally in the islands of the Pacific. *London Jour. Bot.* I. 447-457 (1-11). Pl. 14, 15. 1842.

Enumerates 7 species from the Columbia River, Sitka, and California, and describes *Polyporus Columbiensis*.

29. — Notices of fungi in the herbarium of the British Museum. *Ann. Mag. Nat. Hist.* X. 369-385. Pl. 9-12. Jan. 1843.

Contains a description of *Polyporus Floridanus* from Florida, and also species from Jamaica.

30. — On *Agaricus erinitus*, L., and some allied species. *Trans. Linn. Soc.* XX. 109-112. Pl. 9. 18 Feb. 1845.

Contains a description and figure of *Lentinus tener*.

31. — Decades of Fungi. *London Jour. Bot.* and *Hooker's Jour. Bot.*

The following parts relate to North American species: Nos. 74-100 in *London Jour. Bot.* IV. 299-313 (35-49), pl. 11, 12, fig. 1-5, 1845, collected, with few exceptions, by T. G. Lea in Ohio; pl. 11 represents *Cyclomyces Greenii* from Massachusetts; — nos. 111-140, l. c. VI. 312-326 (1-15), 1847, all from Ohio, collected by Lea, are mostly *Hymenomycetes* with a new genus *Psilopezia*; — nos. 201-240, *Hooker's Jour. Bot.* I. 97-104 (1-8), 234-239 (105-110), 1849, have the title "North and South Carolina Fungi"; by the Rev. M. J. Berkeley and Rev. M. A. Curtis"; — no. 485, l. c. VI. 227 (2), 1854, describes *Dothidea vorax* from South Carolina. The species given in the Decades are most of them to be found also in Lea's Catalogue and Berkeley's Notices of North American Fungi, q. v., and a few of the figures are in Berkeley's Introduction to Cryptogamic Botany. See also *Curtis*, M. A.

32. — On the white rust of cabbages. *Jour. Royal Hort. Soc.* III. 265-271. Aug. 1848.

Gives a figure of conidia of *Uredo (Cystopus) Amaranthi*, Schweinitz.

33. — Indian Bread or Tuckahoe. *Gardeners' Chronicle*, p. 829. 16 Dec. 1848.

Includes a note of Prof. Ellet on the chemical properties of tuckahoe.

34. — Enumeration of some fungi from St. Domingo. *Ann. Mag. Nat. Hist.* 2 ser. IX. 192-203. Pl. 8. March, 1852.

Fungi collected by A. Sallé, including 67 species, of which 20 are new, and 1 new genus. Species may be expected to occur in Florida.

**Berkeley**, Miles Joseph.

35. On two new genera of fungi. *Trans. Linn. Soc. XXI.* 149-154. Pl. 19, fig. 4. June, 1852.

Has description of *Corynites Ravenelii*, with figure.

36. — *Ravenelia*. *Gard. Chron.* 26 Feb. 1853. p. 132.

In an editorial without title there is a note and figure of *R. glandulæformis*.

37. — On some entomogenous *Sphaeriae*. *Jour. Linn. Soc. I.* 157-159. Pl. 1. 4 Nov. 1856.

Includes descriptions and figures of 5 new species of *Cordyceps* from the United States, collected by H. W. Ravenel.

38. — Introduction to Cryptogamic Botany. 8°. pp. 604, with 127 illustrations. London. 1857.

Incidental references to American species of fungi, with figures of some of them. In a few instances the figures are the earliest published records of the species.

39. — On some new fungi. *Trans. Linn. Soc. XXII.* 129-131. Pl. 25. 5 May, 1857.

Description and figure of *Mitremyces Ravenelii*.

40. — An account of the plants collected by Dr. Walker in Greenland and Arctic America during the expedition of Sir Francis McClintock, R.N., in the yacht Fox. By J. D. Hooker, M.D. *Jour. Linn. Soc. V.* 79-89. 1861. Read 21 June, 1860.

On p. 86, a list of 8 species, all but one *Agaricini*, repeated in *Manual Arctic Expedition*, part 2, p. 526.

41. — On some new fungi from Mexico. *Jour. Linn. Soc. IX.* 423-425. Pl. 12. 1867. Read 15 Nov. 1866.

Describes 6 new species sent by Curtis, collected by Botteri near Orizaba, and a new genus *Wynnea*, of which a figure is given. The species are attributed to Berkeley and Curtis.

42. — Notices of North American Fungi. *Grevillea*, I. 33-39, Sept. 1872, nos. 101-125; 49-55, Oct. 1872, nos. 126-149; 65-71, Nov. 1872, nos. 150-175; 97-102, Jan. 1873, nos. 176-200; 145-150, April, 1873, nos. 201-225; 161-166, May, 1873, nos. 226-250; 177-180, June, 1873, nos. 251-275; — II. 3-7, July, 1873, nos. 276-300; 17-20, Aug. 1873, nos. 301-319; 33-35, Sept. 1873, nos. 320-327; 49-53, Oct. 1873, nos. 328-350; 65-69, Nov. 1873, nos. 351-375; 81-84, Dec. 1873, nos. 376-401; 97-101, Jan. 1874, nos. 451-475; 153-157, April, 1874, nos. 476-500; 177-181, June, 1874, nos. 402-414; — III. 1-17, Sept. 1874, nos. 415-450 and 501-525; 49-64, Dec. 1874, nos. 526-600; 97-112, March, 1875, nos. 601-681; 145-160, June, 1875, nos. 682-750; — IV. 1-16, Sept. 1875, nos. 751-813; 45-52, Dec. 1875, nos. 814-844; 93-108, March, 1876, nos. 845-902; 141-162, June, 1876, nos. 903-1005.

This series is a continuation of the "Centuries of North American Fungi," by Berkeley and Curtis (see below), in which 100 species are described. The present series begins with 101, and the numbers represent new species described by Berkeley and Curtis, a small number of which had been previously published in Berkeley's "Decades of Fungi" and "Contributions to North American Mycology," by Berkeley and Curtis. Besides the numbered species, a large number of others are enumerated without numbers. See CURTIS, M. A., and TUCKERMAN, E.

43. — Enumeration of the fungi collected during the Arctic expedition, 1875-76. *Jour. Linn. Soc. XVII.* 13-17. 1880. Read 7 March, 1878.

Enumeration of 24 species, 7 described as new.

44. — *Hypsilophora destructor*. *Gard. Chron. XI.* new ser. 299. Fig. 41. 8 March, 1879.

Description and figure of *Hypsilophora (Dacrymyces) destructor* on pear stems, and reference to 2 other species.

45. — Truffles in California. *Gard. Chron. XXI.* new ser. 833. 28 June, 1884.

Short note on the occurrence of truffles in California.

— and **Broome**, C. E.

46. Enumeration of the fungi of Ceylon. Part 2. *Jour. Linn. Soc. XIV.* 29-140. Pl. 2-10. 3 April, 1873 (1875).

Includes descriptions of *Artocreas Micheneri*, p. 73, and *Patellaria appanata*, p. 108, from the United States, and notes on several species described in Cuban Fungi.

— and **Curtis**, M. A.

47. Contributions to the Mycology of North America. *Am. Jour. Sci. Arts*, 2 ser. VIII. 401-403, Nov. 1849; IX. 171-175, March, 1850; X. 185-188, Sept. 1850.

Continued from *Am. Jour. Sci. Arts*, VI. 353. See CURTIS, M. A. Enumeration of 100 species, numbered 31-130, of which 26 are new, and one new genus *Arrhytidia*. Most of the species are repeated in Notices of North American Fungi, for which see above, no. 42.

48. — Descriptions of new species of fungi collected by the U. S. Exploring Expedition under C. Wilkes, U.S.N., Commander. *Am. Jour. Sci. Arts*, XI. 2 ser. 93-95. Jan. 1851.

Describes 9 species, all from the Pacific Islands. American species of this expedition were published elsewhere. See CURTIS and BERKELEY.

49. — Exotic fungi from the Schweinitzian herbarium, principally from Surinam. *Jour. Acad. Nat. Sci. Philadelphia*. II. new ser. 277-294. Pl. 25. April, 1853.

Includes 7 species from the United States.

50. — Centuries of North American fungi. *Ann. Mag. Nat. Hist.* 2 ser. XII. 417-435 (1-19), Dec. 1853; 3 ser. IV. 284-296 (1-13), Oct. 1859.

Descriptions of 100 new species of *Hymenomycetes* and *Polyporei*, with notices of a few others. About half of them are repeated in Notices of North American Fungi. No. 42.

51. — A commentary on the Synopsis Fungorum in Americâ Boreali mediâ degentium, by L. D. de Schweinitz. *Jour. Acad. Nat. Sci. Philadelphia*. New ser. III. 205-224. 1856.

Critical notes on 326 species, principally *Hymenomycetes*, from the Schweinitz herbarium, including descriptions of 2 new species, *Polyporus crociforus*, B. and C., and *P. cervinonitens*, Schw.

52. — Characters of new fungi, collected in the North Pacific Exploring Expedition by Charles Wright. *Am. Acad. Arts and Sci. Boston*. IV. 111-130. 14 Dec. 1858.

Includes 8 new species from California and N. W. coast.

53. — Fungi Cubenses. *Jour. Linn. Soc. X.* 280-341, 341-392. 1869.

Part 1, including *Hymenomycetes*, was read 2 May, 1867. Part 2, including *Gasteromycetes*, *Physomycetes*, *Coniomyces*, *Hyphomycetes*, and *Ascomyces*, was read 16 Jan. 1869. This work gives frequent references to localities in the United States where Cuban species occur.

— and **Desmazières**, J. B. H. J.

54. On some moulds referred by authors to *Fumago* and on certain allied or analogous forms. *Jour. Royal Hort. Soc.* IV. 243-260 (3-19). Fig. 11. 1849.

Describes 5 *Capnodia* and *Glenospora Curtissii*, and figures also *Scorias spongiosa*.

— and **Montagne**, C.

55. Sixième centurie de plantes cellulaires nouvelles, tant indigènes qu'exotiques. Décade 7. *Ann. Sci. Nat. Bot.* 3 ser. XI. 235-246. 1849.

Includes descriptions of *Trametes rigida* and *Exidia protracta* from the United States.

**Berlese**, Augusto Napoleone, and **Voglino**, P. Padua, 21 Oct. 1864. See **SACCARDO**, P. A.

56. Sopra un nuovo genere di funghi Sferopsidei. *Att. Soc. Venet. Trent.* X. 176-205 (2-32). Pl. 2, 3. Padua. 1887.

Account of a new genus, *Macrophoma*, with descriptions of 32 species from the United States; figures of 3 species, formerly included in *Thoma* and *Sphaeropsis*. The reprint is dated 1886, but the volume of the *Atti*, 1887.

**Bertoloni**, Antonio. Sarzana, 11 Feb. 1775. †Bologna, 17 April, 1869.

57. *Miscellanea Botanica*, XVII. 22. Pl. 2. Fig. 2. Bologna. 1857.

Gives a description and figure of *Thelephora lobata* from Alabama.

**Bessey**, Charles Edwin. See **AMERICAN NATURALIST**. Milton, Wayne Co., O., 21 May, 1845.

58. On injurious fungi. The Blights, *Erysiphei*. *7th Biennial Rept. Iowa Agr. College*. 8°. pp. 185-204 (1-20). Pl. 1, 2. Dec. 1877.

A description of the species known in the United States, with synopsis and figures of 10 species.

59. — *Simblum rubescens*, Gerard, in *Iowa Torr. Bull.* VIII. 126, Nov. 1881. *Am. Nat.* XVI. 42, Jan. 1882.

Species found in Iowa.

60. — A sketch of the progress of botany in the United States in 1880. *Am. Nat.* XV. 947-955. Dec. 1881.

Includes an enumeration of United States fungi described in 1880.

61. — The diseases of plants. *Trans. Iowa State Hort. Soc.* XVI. 85-98. 1882.

Gives, pp. 93-98, an account of several diseases caused by fungi.

62. — Some observations on the action of frost upon leaf-cells. *Proc. Am. Ass. Adv. Sci.* XXXI. 464, 465. Aug. 1882.

Finds that leaf-cells attacked by the mycelium of *Aecidium Fraxini* have less power of resisting cold than other cells.

63. — A new species of insect-destroying fungus. *Am. Nat.* XVII. 1280-1281, 1286. Dec. 1883.

Description of *Entomophthora Calopteni*.

64. — An enormous puff-ball. *Am. Nat.* XVIII. 530. May, 1884.

Reports the finding by Prof. R. E. Call in New York State of an immense specimen of *Lycoperdon giganteum*.

65. — Bulletin of the Iowa Agricultural College, issued by the Dept. of Botany, Nov. 1884. 8°. pp. 109-174. Cedar Rapids, Iowa.

Contains the following papers on fungi by C. E. Bessey: The Wheat Smut, pp. 115-126, fig. 3, 4; Smut of Indian Corn, pp. 127-129, fig. 5, 6; Ergot, pp. 130-132, fig. 7; Preliminary lists of Cryptogams, pp. 133-150, including between 200-300 fungi on pp. 134, 135-148. For other papers in this bulletin, see *Arthur, J. C.* Sent to press Nov. 1884, but not issued until about Jan. 1885, as we are informed by the author.

66. — The abundance of ash rust. *Am. Nat.* XIX. 886-887. Sept. 1885.

Notes the abundance of *Aecidium Fraxini* in Nebraska.

67. — Injurious fungi in their relation to the diseases of plants. *Am. Pomolog. Soc. Session 1885.* pp. 35-43.

A general account of the properties of injurious fungi and the diseases caused by them, followed by a list of 41 species which occur in the United States.

68. — The rust of the ash tree. *Am. Nat.* XX. 806. Sept. 1886.

Reports a marked absence of *Aecidium Fraxini* in Nebraska and Iowa in 1886.

**Billings**, John Shaw. Switzerland Co., Indiana, 12 April, 1838.

68a. The study of minute fungi. *Am. Nat.* V. 323-329. Fig. 75. Aug. 1871.

A popular account of *Valsa stellulata*, Fr., with figure, and directions for studying fungi.

68b. — The genus *Hysterium* and some of its allies. *Am. Nat.* V. 626-631. Pl. 11. Oct. 1871.

General account of the structure of the genus, followed by notes on the spores of 54 species, with figures of the spores of 21 species. The specimens examined were principally from the herbaria of Schweinitz, Ravenel, and Curtis.

— and **Curtis**, E.

69. Report of results of examinations of fluids of diseased cattle, with reference to cryptogamic growths. *Rept. Commissioner Agr. on Diseases of Cattle in U. S.* 4°. pp. 174-190, with plate. Washington. 1871.

Account of cultures made with fluids of animals infected with contagious pleuro-pneumonia and Texas fever, with plate of forms found, some of them bacteria.

— and **Frost**, C. C.

70. United States geological exploration of the fortieth parallel, Clareene King, geologist in charge. Botany by Sereno Watson aided by Prof. Daniel C. Eaton and others. 4°. pp. liii., 525. Pl. 1-40. Washington. 1871.

On pp. 413, 414 is a list of 14 fungi, including 3 new *Pucciniae*. The *Aecidia* and *Pucciniae* were determined by J. S. BILLINGS; the other fungi by C. C. FROST.

**Bonorden**, Hermann Friedrich. Herford, 28 Aug. 1801.

71. Zur Kenntniss einiger der wichtigsten Gattungen der *Coniomycten* und *Cryptomycten*. 4°. pp. 63. Pl. 1-3. Halle. 1860. *Extr. Abhandl. Nat. Ges. Halle*, V. 167-229. 1860.

Mentions 7 species of *Uredineae* from North America.

72. — Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870 unter Führung des Kapitän Karl Kollewey, herausgegeben von dem Verein für die deutsche Nordpolarfahrt in Bremen. 8°. Leipzig. 1874.

The fungi are given in vol. II. 88-96. The fleshy fungi by Bonorden, pp. 88-90, include 4 species and some undetermined forms. The endophytic fungi by L. Fuckel include 13 species, all but one new, pp. 90-96, with pl. 1. Names of species given in *Arctic Manual*, part 2, p. 585.

**Bosc**, Louis (Augustin Guillaume). Paris, 20 Jan. 1759. †Paris, 10 July, 1828.

73. Mémoire sur quelques espèces de champignons des parties méridionales de l'Amérique Septentrionale. *Gesell. Natur. Freunde, Mag.* 4°. V. 83-89 (1-7). Pl. 4-6. Berlin. 1811.

Separate copies of this paper are very rare. Fifteen species are described, all but one with figures: *Boletus alveolarius*; *B. hydnatinus*; *Agaricus pinarius*; *Ag. (Panus) dorsalis*; *Ag. (Lentinus) chama*; *Clathrus columnatus* (copied in Corda, Anleit. and Nees, System); *Morchella caroliniana* (*Gyromitra*); *Phallus duplicatus* (copied in Corda and Nees); *Satyrus rubicundus* (copied in Corda?); *Lycoperdon (Candoglossum) transversarium* (in Nees); *L. heterogenium* (*Mitremyces lutescens*); *L. cyathiforme*, *Uperhiza (Hyperrhiza carolinensis)*; *Tuberularia cornea* (*Peridermium*); *Tremella (Leotia) stipitata* (copied in Nees).

74. **Botanical Bulletin**. Edited by J. M. Coulter. 8°. Crawfordsville, Ind. Vol. I. Nov. 1875—Nov. 1876.

Published monthly in parts of 4 pages. In Nov. 1876 the name was changed to the following.

75. **Botanical Gazette**. Continuation of *Bot. Bulletin*. See above. Vol. II.-XI. Nov. 1876—Dec. 1886. To be continued.

Vol. II. ended Oct. 1877, and vol. III. began Jan. 1878. II. and III. have 8 pages in each number; IV.-VII. 12;

VIII.-X., 16; XI., 24 pages; some numbers more. From I.-X. there is an index with every second volume, and a general index to vols. I.-X. appeared in 1886. Later volumes are illustrated. The editors of vols. II.-VI. were J. M. and M. S. Coulter. Since then, J. M. Coulter, C. R. Barnes, and J. C. Arthur. Articles on fungi from this journal appear here under authors' names.

**Brendel**, Frederick. Erlangen, Germany, 20 Jan. 1820.

+ 76. Flora Peoriana. Die vegetation im clima von Mittel-Illinois. Természetrájzi Füzetek. V. Parte 2-4. pp. 299-405. 1882. A Musaco Nationali Hungarico edito. Budapest. 1882.

Separate edition with pp. 107, large 8°. On p. 94 (392) is an enumeration of 39 species of fungi without notes.

**Britton**, Elizabeth G. See BULLETIN TORREY CLUB.

**Britton**, Nathaniel Lord. New Dorp, Staten Island, N. Y., 15 Jan. 1859.

77. Geological survey of New Jersey. A preliminary catalogue of the flora of New Jersey. 8°. pp. 233. New Brunswick, N. J. 1881.

This work was distributed among botanists, bound and interleaved, with the request that the copies be returned with corrections and comments to be embodied in the final publication. A list of about 950 fungi, determined by J. B. Ellis, is given on pp. 167-203.

**Bronnaiart**, Adolphe Théodore. Paris, 14 Jan. 1801. †Paris, 18 Feb. 1876.

78. Essai d'une classification naturelle des champignons ou tableau méthodique des genres rapportés jusqu'à présent à cette famille. 8°. pp. 99. Pl. 1-8. Paris. 1825.

This is a reprint of the article Mycologie in *Dictionnaire des Sciences Naturelles*, XXXIII. 492-588. 1824. The plates are taken from Turpin, Végétaux acotylédons. On p. 70 (559) is a reference to *Calostoma cinnabarinum*, Desv. = *Mitromyces cinnabarinus*, Schw.

**Broome**, Christopher Edmund. Berkhamstead, Hertford, 24 July, 1812. †Bath, England, 15 Nov. 1886. See BERKELEY, M. J.

**Brown**, A. E.

+ 79. Diseased Vaccinium. *Torr. Bull.* VI. 164. July, 1877.

Note on deformity of fruit due to *Exobasidium Vaccinii*.

**Brown**, Robert. See SMITH, W. G.

+ 80. **Bulletin** of the TORREY BOTANICAL CLUB, Vol. I.-XIII. Jan. 1870—Dec. 1886. To be continued. Monthly. 8°. New York. Illustr.

There is an index of I.-V. at the end of V. Vol. VI. extends from Jan. 1875 to Dec. 1879, with index. Since then the volumes are annual and have an index. Editors, 1870-1881, W. H. Leggett; 1882, W. H. Leggett and W. R. Gerard; 1883-1885, W. R. Gerard; 1886, E. G. Britton and F. J. H. Merrill. Devoted to all branches of botany. The articles on fungi here given under authors' names.

**Bundy**, W. F.

81. A partial list of the fungi of Wisconsin, with descriptions of new species. *Geology of Wisconsin, Survey of 1873-79*. 4°. I. 396-401. 1883.

Enumerates more than 300 species of 76 genera with notes on localities. Two new species described. The types of this paper have been lost, and there are no means of verifying species named.

**Burnett**, Swan Moses. New Market, Tenn., 16 March, 1847.

82. *Otomyces purpureus* (Wreden) in the human ear. *Archives of Otology*, X. 319-326. Dec. 1881. Also trans. in *Zeitschr. für Ohrenheilkunde*, XI. 89-95. 1882.

Account of the fungus, including a note by W. G. Farlow.

**Burrill**, Thomas Jonathan. Pittsfield, Mass., 25 April, 1839.

83. Aggressive parasitism of fungi. *Trans. Illinois State Hort. Soc.* 1873, VII. 217-221. Chicago. 1874.

84. — Lettuce mould and leaf-blights. *Trans. Illinois State Hort. Soc.* 1875, IX. 139-144. Fig. 5. Chicago. 1876.

An account of injury done by *Peronospora gangliformis* in Illinois, and of lilac blight, pea blight, *Verbena* mould, and rose mildew, with figures of the fungi which cause them.

+ 85. — Upon parasitic fungi. *Bull. Illinois State Lab. Nat. Hist.* I. part 1, 52-59. Pl. 1-4. Bloomington. Dec. 1876.

General account of fungus diseases, with specific account of those caused by *Peronosporeae* and *Perisporiaceae*, with figures of several species.

86. — Injurious fungi. *Trans. Illinois State Hort. Soc.* X. 213-220. 1876.

An account of the harm done by several species, *Peronospora riticola*, *Phragmidium*, bunt in wheat, disease of Austrian pine, etc.

87. — Cherry leaf-blight. *Trans. Illinois State Hort. Soc.* XI. 134-136. 1877.

A popular account of *Podosphaera Kunzei* and the ravages caused by it.

+ 88. — First annual report upon useful and noxious plants. *Trans. Dept. Agr. Illinois*, XVII. 560-568. Springfield, Ill. 1880. Reprint, 8°, pp. 9. Springfield. 1880.

Contains a chapter on "Fungi in living plants," giving general account of growth and classification of fungi, with the effects they produce on other plants.

+ 89. — The Bacteria. 8°. pp. 65. Fig. 2. Pl. 1. Springfield, Ill. 1882.

Taken from 11th *Rept. Illinois Industrial Univ.* pp. 93-157. Besides Bacteria, this paper contains *Saccharomyces*, pp. 62-65.

90. — Notes on parasitic fungi. *Agr. Review*, 86-92. New York. Nov. 1882.

Gives an account of apple-seab, *Fusicladium dendriticum*, orange rust of blackberry, *Caeoma luminatum*, and blackberry cane rust.

91. — An orchard scourge. *Trans. Miss. Valley Hort. Soc.* I. 202-207. Indianapolis. 1883. Account of ravages due to *Fusicladium dendriticum*.

92. — The grape rots. *Trans. Illinois State Hort. Soc.* XVII. 42-45. 1883.

Notes the occurrence of the true *Sphaceloma ampelinum* in Illinois, with account of some other fungi. See no. 96.

93. — Broom-corn rust. *Prairie Farmer*, LVI. 532. Chicago. Aug. 1884.

Notice, with 2 figures, of an unnamed *Chaetostroma* on *Sorghum*.

+ 94. — Parasitic fungi of Illinois. Part 1. *Uredineae*. *Bull. Illinois State Laboratory*, II. 141-255. Peoria. 1885.

A full account of the *Uredineae* of Illinois, with synopsis of genera, descriptions and synonymy of species, with critical notes and index of species and hosts. Also given in 12th *Rept. Illinois Industrial Univ.* pp. 93-152, without host-index, and some notes.

95. — The *Uredineae* of Illinois. A list of the species. *Proc. Am. Soc. Micros.* VIII. 93-102 (1-10). 1885.

A list of species, with introduction taken substantially from Parasitic fungi of Illinois. See title above.

96. — Grape Rots. *Am. Pomolog. Soc.*, Session 1885. pp. 47-49.

Notes the occurrence of the true *Sphaceloma ampelinum* in Illinois, with an account of its action compared with *Phoma uicola*. See no. 92.

97. — Orange rust of blackberry leaves. *Prairie Farmer*, LVII. 762. Chicago. 4 Nov. 1885.

Account, with figure, of the spermogonia of *Caeoma nitens*. Substance of article and figure given in paper by SEYMORE, A. B., q. v.

**Burrill**, Thomas Jonathan.  
 98. Vegetable pathology. *Trans. Illinois State Hort. Soc.* XIX. 218-226. 1885.  
 General remarks on disease in plants.

— and **Seymour**, A. B.  
 99. New species of *Uredineae*. *Bot. Gaz.* IX. 187-191. Dec. 1884.  
 Describes 13 species from Illinois. On p. 191, 4 other species described by **SEYMORE**, A. B.

**Bushberg Catalogue**. See **ENGELMANN**, George.

**Calkins**, William Wirt. Farm Ridge, La Salle Co., Ill., 29 May, 1842.

100. Notes on Florida fungi. *Jour. Myc.* II. 6, 7. Jan. 1886; 23, Feb. 1886; 42, April, 1886; 53, 54, May, 1886; 70, June, 1886; 80, 81, July, 1886; 89-91, Aug. 1886; 104-106, Sept. 1886; 126-128, Nov. 1886.  
 Part 3 of this series is called "The leaf fungi of Florida"; part 4, "Cryptogamic Botany of a Florida log"; parts 7-9 give a list of species determined by J. B. Ellis.

101. — *Polyporus officinalis*, Fr. *Jour. Myc.* II. 107. Sept. 1886.  
 Notes the occurrence of this species in Michigan.

**Cist**, Jacob.  
 102. Notice of the *Melolontha* or May-bug. *Am. Jour. Sci. Arts*, VIII. 269-271. Pl. 4. Aug. 1824.  
 Gives a note and figure of an unnamed species of *Cordyceps* on *Melolontha*.

**Clayton**, John. Fulham, England, 1685. †15 Dec. 1773. See **GRONOVIIUS**, J. F.

**Cooke**, Mordecai Cubitt. Horning, Norfolk, England, 12. July, 1825. See **EDWARDS**, A. M. See **ELLIS**, J. B. See **GREVILLEA**. See **RAVENEL** and **REHM**, exsiccati in supplement. See **STEVENS-SON**, W. C.

103. Decades of Maine Fungi. *Proc. Soc. Nat. Hist.*, Portland, I. 179-185. Fig. 9. 1862.  
 Descriptions of 21 species of *Uredineae*, 2 of them new.

104. — Handbook of British Fungi, with full descriptions of all the species, and illustrations of the genera. 8°. 2 vol. pp. 981. Pl. 7, col. and fig. 408. London. 1871.  
 After each species it is stated whether it occurs also in the United States. There appeared in *Grevillea*, beginning in 1883, a revised second edition of this work. Up to date, 176 pages, descriptions of *Agarici*, have been published in the different numbers of that journal, and also issued separately.

105. — Notes on *Podisoma*. *Jour. Quekett Micros. Club*, II. 255-268 (1-14). Pl. 18, 19. Read 24 Nov. 1871.  
 Has figures of *Gym. claripes* and *Gym. macropus* from the United States; also notes on some of our species.

106. — Carpology of *Peziza*. *Grev.* III. 30-31, pl. 27-30, Sept. 1874; 73, 74, pl. 31-34, Dec. 1874; 127, 128, pl. 38-41, March, 1875; 186, pl. 43, 44, June, 1875; — IV. 41, pl. 50, 51, Sept. 1875; 132, pl. 65, March, 1876; 168, pl. 69, June, 1876.  
 Figures of asci, spores, and, in some cases, paraphyses of *Pezizae*, including American species.

107. — Revision of *Geoglossum*. *Grev.* III. 133, 134. March, 1875.  
 Revision of the species of Cooke's Handbook; refers to two American species.

108. — Synopsis of the *Discomycetous* fungi of the United States. Part 1. *Bull. Soc. Nat. Sci. Buffalo*, II. 285-300, March, 1875. — Part 2. I. c. III. 21-32; 33-37, Sept. and Nov. 1875.  
 Part 1 gives a list of 357 species, with localities and characters of the new or little-known forms. Part 2 has remarks on some of the species in part 1, with a list of 212 additional species and descriptions of new species.

109. — On *Corticium amorphum*, Fr. *Grev.* III. 136-138. March, 1875.  
 Synonymy of this species with reference to *Aleurodiscus amorphus*, Rabh., including *Nodularia balsamicola*, Peck. See next title.

110. — On *Corticium Oakesii*, B. and C. *Grev.* III. 172. June, 1875.  
 Continuation of paper on *C. amorphum*. See above.

111. — *Phragmidium*. *Grev.* III. 171. Pl. 45. June, 1875.  
 Figures *P. speciosum* from the United States.

112. — British Fungi. *Grevillea*.  
 The following references to North American fungi: *Grev.* III. 179, 180, June, 1875, note on *Puccinia Violarum*, *P. Asteris*, *P. Gerardi*, description and figure of *P. hastula*, pl. 49, fig. 10 b; p. 182, I. c. description of genus *Virgasporium* and note on *V. claratum*; p. 185, I. c. note on *Peziza Agassizii*; IV. 69, Dec. 1875, note on species of *Virgasporium* and *Clasterisporium*.

113. — *Pezizae Americanae*. *Hedwigia*, XIV. 81-85. June, 1875.  
 Describes 21 new species from Maine, New York, New Jersey, and 1 from Mexico. Some previously described in *Torr. Bull.* VI. 31, 32.

114. — *Podisoma* on *Juniperus phoenicia*. *Grev.* III. 189, 190. June, 1875.  
 Includes a note on the germination of *Gymnosporangium clavipes*.

115. — New Scotch *Peziza*. *Grev.* IV. 91, 92. Dec. 1875.  
 A foot-note gives a description of *Peziza scabulonta*, Gerard, from New York.

116. — On *Peziza brunnea*. *Grev.* IV. 125, 126. March, 1876.  
 Note on *P. confusa*, Cooke, of the United States.

117. — *Triblidium*. *Grev.* IV. 182. Pl. 67. June, 1876.  
 Includes figures of 5 *Triblidia* and *Ostrechnion Americanum* from the United States.

118. — Observations on *Peziza calycina*. *Grev.* IV. 169-172. Pl. 66. June, 1876.  
 A criticism of Rehm's Note on *Peziza calycina*. See **REHM**.

119. — The *Hyphomycetous* Fungi of the United States. *Bull. Soc. Nat. Sci. Buffalo*, III. 189-192, Feb. 1877; 193-202, July, 1877.  
 Enumeration of 304 species, with synonymy in some cases.

120. — Caution to mushroom eaters. *Field and Forest*, II. 146. Feb. 1877.  
 Calls attention to the resemblance between *Agaricus campestris* and *A. fastabilis*.

121. — On black moulds. *Jour. Quekett Micros. Club*, IV. 246-277. (1-28.) Pl. 24-27. Read 23 Feb. 1877.  
 Has colored figures of 8 species of *Hyphomycetes* of the United States.

122. — On *Valsa vitis*, Schw. *Grev.* V. 125. March, 1877.  
 Separates the European form of this name under the name of *V. vitigera*.

123. — The *Valsei* of the United States. *Proc. Acad. Nat. Sci. Philadelphia*. pp. 110-127. Apr. May, 1877.  
 Describes 93 species of *Valsa* and 5 of *Melanconis*, with enumeration of 40 doubtful species, principally from the Schweinitz herbarium. See **STEVENS-SON**, W. C.

124. — The *Myxomycetes* of the United States. *Ann. Lyceum Nat. Hist.* New York, XI. 378-409. June, 1877. Read 16 April, 1877.  
 An arrangement of species taken from Rostafinski, with synonymy and, in some cases, spore measurements; 154 species enumerated, 3 described as new.

**Cooke**, Mordecai Cubitt.

+ 125. Spore formation in *Urocystis*. *Grev.* V. 158. June, 1877.

Summary of papers by Fischer von Waldheim and Farlow, q. v.

+ 126. — North American Fungi. *Grev.* V. 150-154. June, 1877.

Notices of 54 species from Maine, New York, and South Carolina, 13 described as new. See nos. 129 and 152.

127. — Some allied species of *Aecidiacei*. *Bull. Soc. Bot. France*, XXIV. 314, 315. Transl. Quelques espèces voisines d'Aecidiacées, 1. c. 316, 317. 22 Oct. 1877.

Includes notes on *Peridermium cerebrum*, Peck, and *Roestelia hyalina*, Cooke.

+ 128. — Praecursor ad monographiam *Hedwersoniae*. *Nuov. Giorn. Bot. Ital.* X. 17-27. Jan. 1878.

Mentions 32 species of the United States, and gives details of the spores in some species.

129. — North American Fungi. *Hedwigia*, XVII. 37-40. March, 1878.

Description of 21 new species in Ravenel's *Fungi Americani Exsiccati*. See no. 126, 135, and 152.

130. — On fungoid diseases of the Vine. *Jour. Roy. Hort. Soc.* V. new ser. 68-76, 90-94, 115-123, March, July, Dec. 1878.

In a notice of Farlow's American Grape Vine Mildew there are given critical notes on *Oidium Tuckeri*, *Uncinula spiralis*, *U. Americana*, *U. subfuscata*, and *Sphaerotheca Morawae*. Also descriptions of *Septoria viticola*, B. and C., *S. ampelina*, B. and C., *S. falci*, B. and C. Last part has notes on *Cupnodium elongatum*, with review of Cornu's papers on Anthracnose, *Cladosporium viticolum*, etc., with notes on *Phoma uracolus*, B. and C., *Graphium clarisporum* and *Cladosporia*. See no. 133.

131. — The fungi of Texas. *Jour. Linn. Soc.* XVII. 141-144. 1880. Read 4 April, 1878.

Descriptions of 25 new species collected by H. W. Ravenel. See next title.

+ 132. — The fungi of Texas. *Ann. Acad. Sci.*, New York, I. 177-187. May, 1878.

A list of 149 species collected by H. W. Ravenel, including descriptions of 25, same as in last paper.

+ 133. — Vine diseases. *Grev.* VI. 147-150. June, 1878.

A review of Pirotta's *Funghi parassiti dei Vitigni* and Thuemmen's *Pilze des Weinstockes*, q. v., with notices of American viticolous fungi. See no. 130.

+ 134. — Enumeration of *Polyporus*. *Trans. Bot. Soc. Edinburgh*, XIII. 131-159. 1878. Read 2 July, 1878.

Alphabetical list of known species of *Polyporus*, with their distribution. See no. 163.

+ 135. — Ravenel's American fungi. *Grev.* VI. 129-146, June, 1878; VII. 32-35, Sept. 1878; 48-54, Dec. 1878.

Enumeration of species in Ravenel's *Fungi Americani Exsiccati*, see supplement, with descriptions of 143 new species and figures of some of the species on pl. 101. This plate is in vol. VI., the description of plate in VII. 96. Two new genera, *Phillipsiella* and *Saccardia*, figured on pl. 119. Some of the species named are described in *Hedwigia*, XVII. 37-40, March, 1878.

+ 136. — On *Chaetophoma*. *Grev.* VII. 24-26. Pl. 118, 119. Sept. 1878.

Describes and figures 6 species from Carolina. Descriptions repeated without figures in *Hedwigia*, XVII. 134.

+ 137. — Some Extra-European Fungi. *Grev.* VII. 13-15. Sept. 1878.

Includes an enumeration of 34 species collected by W. R. Gerard in New York, 5 described as new.

+ 138. — Californian Fungi. *Grev.* VII. 1-4, Sept. 1878; 101, 102, March, 1879.

Enumeration of 57 species collected by H. W. Harkness. Describes 16 new, and one species from New York. See also **COOKE** and **HARKNESS**.

+ 139. — *Mycographia seu Icones Fungorum*. Figures of fungi from all parts of the world, drawn and illustrated by M. C. Cooke. 4<sup>o</sup>. Vol. I. Pl. 113. Fig. 406. *Discomycetes*. London. 1879.

Of this work only one volume has been issued. It includes 6 parts, which appeared as follows: Oct. 1875, April, 1876, Oct. 1876, April, 1877, Jan. 1878, Feb. 1879. There is a systematic and an alphabetic index. It includes a large number of colored plates of American *Discomycetes*, with descriptive text. Descriptions of the new and little-known species given also in *Hedwigia*, XVI. 142-144; 147-154; XVII. 53-55.

+ 140. — Some exotic fungi. *Grev.* VII.-XIV.

The following are North American references: VII. 95, March, 1879, description of *Diplodia gossypina*; — XII. 37, 38, Sept. 1883, 4 species from New Hampshire, Ohio, South Carolina, and Texas; — XII. 85, March, 1884, *Polyporus pocula*; — XIII. 6, Sept. 1884, *Puccinia Ipomeae*; — XIV. 13, 14, Sept. 1885, 4 species from Oregon, Georgia, and South Carolina; 90, March, 1886, *Leptothyrium Liriodendri* and *Phoma cerasina* from South Carolina.

+ 141. — On *Peniophora*. *Grev.* VIII. 17-21. Pl. 122-125. Sept. 1879.

New genus formed from species of *Corticium* and *Stereum*. Includes American forms. See no. 149.

+ 142. — Undescribed fungi in the Kew Herbarium. *Grev.* VIII. 34, 35. Sept. 1879.

Describes 2 species from Oregon and British Columbia.

+ 143. — Natal Fungi. *Grev.* VIII. 69-72. Dec. 1879.

Describes *Uredo macrosperma*, Cooke, from the United States.

+ 144. — Agaric with green spores. *Grev.* VIII. 53. Dec. 1879.

Brief notice of *Agaricus Morgani*, Peck.

+ 145. — Reliquiae Libertianae. *Grev.* VIII. 81-87. March, 1880.

On p. 87 describes *Lasiostphaeria acicola* from the Rocky Mountains.

+ 146. — New York Fungi. *Grev.* VIII. 117-119. March, 1880.

Notices of 31 species collected by W. R. Gerard, 7 described as new. See also notice in *Rev. Myc.* II. 98.

147. — The genus *Ravenelia*. *Jour. Roy. Micr. Soc.* III. 384-389 (1-6). Pl. 11. Read 14 April, 1880.

General account of the genus, including *R. glandulæformis* and *R. sessilis* of the United States.

+ 148. — Observations on *Peziza*. *Grev.* VIII. 129-143. Pl. 131-133. June, 1880.

Incidental reference to American species.

+ 149. — On *Hymenochaete* and its allies. *Grev.* VIII. 145-150. June, 1880.

Enumeration of species, including American, with descriptions of setae. Also gives additional species of *Peniophora*. See no. 141.

+ 150. — The *Perisporiaceæ* of Saccardo's *Sylloge Fungorum*. *Grev.* XI. 35-38. Sept. 1882.

Gives his views with regard to *Erysiphella* and *Pleochaete*, with notes of 12 American species, principally *Asterinae* and *Meliolae*.

+ 151. — Re-appearance of *Cycloderma*. *Grev.* XI. 95, 96. Pl. 160. Fig. 10. March, 1883.

Describes *Cycloderma Ohiensis*, Cooke and Morgan, with figures, and states that *Milleria herbarica*, Peck, is *Testicularia Cyperi*, Klotzsch. See KLOTZSCH, J. F.

+ 152. — North American Fungi. *Grev.* XI. 106-111. March, 1883.

Enumerates 44 species from Maine, Ohio, California, the greater part from South Carolina and Georgia, in Ravenel's *Fungi Americani Exsiccati*; 27 described as new. See same title above, no. 129.

**Cooke**, Mordecai Cubitt.

† 153. On *Xylaria* and its allies. *Grev.* XI. 81-94. March, 1883.

A revision of species of *Xylaria* in Saccardo's Sylloge. Gives details of spores of some North American species, with figures on pl. 162-165 of vol. XI, and 166-171 of vol. XII. See no. 155.

154. — On *Sphaerella* and its allies. *Britton's Jour. Bot.* XXI. 67-71, March, 1883; 106-110, April, 1883; 136-139, May, 1883.

Includes notes or descriptions of about 50 species of the United States, some from Herb. Schweinitz and Ravenel's *Fungi Americani Exsiccati*.

155. — *Hypoxylon* and its allies. *Grev.* XI. 121-140. June, 1883.

Revision of species in Saccardo's Sylloge. Continuation of no. 153. Details of spores of a number of North American species, with description of 6 species. See next title.

156. — *Nummularia* and its allies. *Grev.* XII. 1-8. Sept. 1883.

Continuation of papers on *Xylaria* and *Hypoxylon*. See above. Notes on several North American species, with descriptions of three Schweinitzian species.

157. — New American fungi. *Grev.* XII. 22-33. Sept. 1883.

*Pyrenomyces imperfectae* and *Hyphomycetes* in *Fungi Americani Exsiccati*, 94 new species, a new genus, *Sphaerellopsis*, notes on other species, and descriptions of 2 Californian species, *Torula fuscoidea* and *Campylosporangium cuspidatum*.

158. — The genus *Anthostoma*. *Grev.* XII. 49-53. Dec. 1883.

Revision of this genus in Saccardo's Sylloge, including notes on 16 American species.

159. — The structure and affinity of *Sphaeria pocula*, Schweinitz. *Jour. Linn. Soc.* XX. 508-511. Pl. 47. 1884. Read 17 Jan. 1884.

Species referred to *Polyporus*.

160. — Notes on *Hypocreaceae*. *Grev.* XII. 77-83, 100, 101. March and June, 1884.

Review of species in Saccardo's Sylloge, II., including details of 26 American species, with descriptions of several new species.

† 161. — Synopsis *Pyrenomyctetum*. *Grev.* XII. 102-113, June, 1884; — XIII. 8-16, Sept. 1884; 41-45, Dec. 1884; 61-72, March, 1885; 100-109, June, 1885; — XIV. 14-17, Sept. 1885; 46-56, Dec. 1885; 93-97, March, 1886.

General revision of the order as given in Saccardo's Sylloge, with numerous notes on American species.

162. — *Sphaeriaceae imperfectae cognitae*. *Grev.* XIII. 37-40. Dec. 1884.

Review of this group in Saccardo's Sylloge, II., with additional details of 47 species from the Schweinitz Herbarium, in part by W. C. Stevenson, and descriptions of 2 species omitted by Saccardo.

163. — *Praecursores ad monographiam Polypororum*. *Grev.* XIII. 80-87, March, 1885; 111-119, June, 1885; — XIV. 17-21, Sept. 1885; 77-87, March, 1886; 109-115, June, 1886; — XV. 19-27, Sept. 1886; 50-60, Dec. 1886.

Enumeration of all known species of *Polyporus*, with occasional notes on synonymy. XV. 19-27, contains descriptions of 13 American species. See no. 134.

† 164. — A new *Stereum* from North Carolina. *Jour. Myc.* I. 130. Oct. 1885.

Descriptions of *S. carolinense*.

† 165. — *Valsa vitis*, again. *Grev.* XIV. 44-46. Dec. 1885.

Full synonymy given for *Diatrype (Valsaria) riticola*, Schw., *Valsa (Eutypella) riticola*, Schw., and *V. viticola*, Cooke.

— and **Berkeley**, M. J.

166. Fungi: their nature and uses. Edited by Rev. M. J. Berkeley. 8<sup>o</sup> pp. 299. Fig. 109.

New York. 1875. The International Scientific Series.

Has incidental references to American species. A general treatise on the structure and properties of fungi, including substance of notes on edible fungi of the United States by M. A. Curtis. See CURTIS, M. A., and PORCHER, F. P.

— and **Ellis**, J. B.

† 167. New Jersey Fungi. *Grev.* IV. 178-180, pl. 68, June, 1876; — V. 30-35, pl. 75, Sept. 1876; 49-55, pl. 80, 81, Dec. 1876; 89-95, March, 1877; — VI. 1-18, pl. 95, 96, Sept. 1877; 81-96, pl. 99, 100, March, 1878; — VII. 4-10, Sept. 1878; 37-42, Dec. 1878; — VIII. 11-16, Sept. 1879; — IX. 103, March, 1881.

Enumeration of a large number of species, with notes and descriptions of not far from 300 new species. There appears to be no reference to fig. 2 and 8 of pl. 81.

— and **Harkness**, H. W.

† 168. Californian Fungi. *Grev.* IX. 6-9, Sept. 1880; 81-87, March, 1881; — XII. 83, 84, March, 1884; 92-97, June, 1884; — XIII. 16-21, Sept. 1884; 111-114, June, 1885; — XIV. 8-10, Sept. 1885.

Enumerates a large number of species, of which the greater part, about 200, are described as new. Collected by Harkness, and species mentioned again in *Bull. Cal. Acad. Sci.* See no. 170. See *Rer. Myc.*, April, 1881, p. 44. For remarks on genus *Harknessia*, see WINTER, G.

† 169. — — Fungi on *Eucalyptus*. *Grev.* IX. 127-130. June, 1881.

Notices of 42 species, of which 18 are described as new. Names of new species given in *Rer. Myc.*, July, 1881, p. 67.

† 170. — — Fungi of the Pacific Coast. *Bull. Cal. Acad. Sci.* I. 13-10. Feb. 1884.

List of 91 species previously described in *Grerillea*, IX. 6-9, 81-87, giving hosts and localities. Also 2 species described by Ellis and Harkness in *Torr. Bull.* VIII. 51.

— and **Peck**, C. H.

† 171. *Pezizae Americanae*. *Grev.* I. 5-7. Pl. I. July, 1872.

Notices and descriptions of 12 species, 6 of which are new; six colored figures.

172. — — The *Erysiphei* of the United States. *Trimen's Jour. Bot.* X. (n. s. I.) 11-14. Jan. 1872.

Enumeration of 26 species and 13 inquirendae, with descriptions of some of the species. Descriptions also given in *Hedwigia*, XI. 74, 75.

173. — — Supplementary notes on the *Erysiphei* of the United States. *Trimen's Jour. Bot.* X. (n. s. I.) 170-172. June, 1872.

Notes on 14 species, including *Uncinula Americana*, Howe, and one other new species; 6 species and 1 variety not included in last-named paper.

**Corda**, August Karl Joseph. Reichenberg, 22 Oct. 1809. †Lost at sea Sept. 1849.

174. Anleitung zum studium der mycologie nebst kritischer beschreibung aller bekannten gattungen, und einer kurzen geschichte der systematik. 8<sup>o</sup>. CXXII. 223. Pl. 1-8. Prague. 1842.

Some of the illustrations given in this work are taken from Bosc's Mémoire, q. v. Descriptions of American genera are given. There is also an index of authors and works on mycology, including some relating to North America.

\* *Icones Fungorum lucisque cognitorum*. f<sup>o</sup>. 6 vol. Prague. 1837-1854. Has figures of many species found also in this country, but not specially credited to the United States. A considerable part of the edition or the first five volumes was destroyed in the great fire at Prague, and complete sets of the original edition are now very rare. The remaining copies of vol. VI. were purchased by R. Friedländer & Sohn, of Berlin, who have reproduced the first five volumes by photo-lithography, and most copies now offered for sale have only the sixth volume of the original edition.

**Cornu**, Maxime. Orléans, France, 16 July, 1843.  
**175.** Note sur le *Ptychogaster albus*, Corda. *Bull. Soc. Bot. France*, XXIII. 359-363. 10 Nov. 1876.

Has notes on the structure of *Pilacre Petersii*, B. and C.

**176.** — Présence du *Podisoma Juniperic-Sabinae* sur le *Juniperus Virginiana*, et sur divers autres génévrier. *Bull. Soc. Bot. France*, XXV. 122-125. 12 April, 1878.

Account of species of *Podisoma* which occur on *J. Virginiana* in France, with notes on a comparison of some American with European specimens.

**177.** — Enumération des *Péronosporées* de France. *Bull. Soc. Bot. France*, XXV. 293-300. 13 Dec. 1878.

Notes the occurrence of *Peronospora basidiophora* in the United States.

**178.** — Le charbon de l'oignon ordinaire (*Allium Cepa*), maladie nouvelle, originaire d'Amérique, causée par une *Ustilaginée* (*Urocystis Cepulae*, Farlow). *Comptes Rendus*, LXXXIX. 51-53 (1-3). 7 July, 1879.

Includes notes on this species in the United States.

**179.** — Maladies nouvelles pour l'Europe à propos d'une *Ustilaginée* (*Urocystis Cepulae*) parasite sur l'oignon ordinaire. *Bull. Soc. Bot. France*, XXVI. (I. n. s.) 263-267. 11 July, 1879.

Additional remarks on subject of last title. Continued in next title.

**180.** — Observations sur la maladie des oignons (*Urocystis Cepulae*). *Bull. Soc. Bot. France*, XXVII. (II. n. s.) 39-42. 13 Feb. 1880.

**181.** — Notes sur quelques maladies des plantes. *Bull. Soc. Bot. France*, XXVIII. (III. n. s.) 143-146. May, 1881.

Notes the occurrence of the American *Caeoma luminatum* in France.

**182.** — Observations sur le *Phylloxera* et sur les parasites de la vigne. Etude sur les *Péronosporées*. 4<sup>o</sup>. pp. 91. Pl. 1-5. Paris. 1882.

Contains a full bibliography of the subject, with numerous extracts from works on American fungi.

**183.** — Sur quelques *Ustilaginées* nouvelles ou peu connues. *Ann. Sci. Nat.* 6 ser. XV. 269-296. Pl. 14-16. June, 1883.

Has accounts of the structure of American species of *Testicularia*, *Cintractia*, and *Doassansia*, with figures. See also *Bull. Soc. Bot. France*, XXX. 130-133. March, 1883.

**Coulter**, John Merle. Ningpo, China, 20 Nov. 1851. See *BOTANICAL BULLETIN*. See *HAYDEN*, F. V. See *PORTER*, T. C.

**184.** — *Uromyces Lespedezae*. *Bot. Gaz.* (Bot. Bull.) I. 20. March, 1876.

Synonymy of species given in note from C. H. Peck.

**185.** — A large puff-ball. *Bot. Gaz.* VI. 290. Nov. 1881.

Note on a *Lycoperdon giganteum*, 58 x 32 inches in circumference.

**Coulter**, (M.) Stanley. Ningpo, China, 2 June, 1853. See *BOTANICAL GAZETTE*.

**Cragin**, Francis Whittemore. Greenfield, N. H., 4 Sept. 1858.

**186.** First contribution to the catalogue of the *Hymenomycetes* and *Gasteromycetes* of Kansas. *Bull. Washburn Coll. Laboratory Nat. Hist.* Topeka, Kan. I. 19-28, Sept. 1884; 33-42, pl. 1, Feb. 1885.

Part I. gives an enumeration of 139 *Hymenomycetes*, 3 new species by Cragin, the others determined mostly by J. B. Ellis, A. P. Morgan, and C. H. Peck. Part II., *Gasteromycetes*, including *Myrogastrace*, 49 species named, 8 new, with plate of *Phalloidæ*. New species given in *Jour. Myc.* I. 28. Rev. in *Am. Nat.* XIX. 399.

**187.** — Second contribution to the catalogue of the *Hymenomycetes* and *Gasteromycetes* of Kansas. *Bull. Washburn Coll. Laboratory Nat. Hist.* I. 65-67. Jan. 1885.

Continuation of the above. Twenty species enumerated, one new, all *Hymenomycetes*. See *Jour. Myc.* I. 58.

**188.** — A contribution to the knowledge of the lower fungi of Kansas. *Bull. Washburn Coll. Laboratory Nat. Hist.* I. 67-72. Feb. 1885.

Enumeration of 69 species, principally *Ascomycetes*, 2 new species. See *Jour. Myc.* I. 47.

**189.** — A new genus and species of Tremelline Fungus. *Bull. Washburn Coll. Laboratory Nat. Hist.* I. 82. Feb. 1885.

Describes a new genus, *Ceracea*. See *Jour. Myc.* I. 58.

**Currey**, Frederick. Eltham, Kent, England, 19 Aug. 1819. †Blackheath, 8 Sept. 1881.

**190.** Synopsis of the fructification of the Compound *Sphaeriae* of the Hookerian Herbarium. *Trans. Linn. Soc.* XXII. 257-287. Pl. 45-49. 1859. Read 4 March, 1858.

See following titles.

**191.** — Synopsis of the fructification of the Simple *Sphaeriae* of the Hookerian Herbarium. *Trans. Linn. Soc.* XXII. 313-335. Pl. 57-59. 1859. Read 5 May, 1859.

See next title.

**192.** — Supplementary observations on the *Sphaeriae* of the Hookerian Herbarium. *Trans. Linn. Soc.* XXV. 239-262. 1866. Read 15 June, 1865.

In the three papers just mentioned there is an account of the spores of a considerable number of species from the Schweinitz herbarium, with figures of some of them.

— and **Hambury**, D.

**193.** Remarks on *Sclerotium stipitatum*, *Pachyma Cocos*, and some similar productions. *Trans. Linn. Soc.* XXIII. 93-97. Pl. 9, 10. 1860. Read 3 May, 1860.

An account of Tuckahoe, with notice of previous works on the subject.

**Curtis**, Edward. See *BILLINGS*, J. S.

**Curtis**, Moses Ashley. Stockbridge, Mass., May 11, 1808. †Hillsborough, N. C., April 10, 1872. See *BERKELEY*, M. J. See *DUBY*, J. E. See *PORCHER*, F. P. See *RAVENEL*, H. W., *Exsiccati* in *Supplement*. See *SPRAGUE*, C. J. See *TUCKERMAN*, E.

**194.** — Contributions to the mycology of North America. *Am. Jour. Sci. Arts*, 2 ser. VI. 349-353, and 444. Nov. 1848.

A brief account of works relating to North American fungi up to date, followed by an enumeration of 30 species, 10 described as new. The species are, with one exception, from North and South Carolina, and most of them are repeated in Berkeley's "Notices of North American Fungi." See no. 42, above. For continuation of this paper, see *BERKELEY* and *CURTIS*, no. 47, above.

**195.** — Geological and natural history survey of North Carolina. Part 3, Botany; containing a catalogue of the indigenous and naturalized plants of the state. 8<sup>o</sup>. pp. 156. Raleigh. 1867.

Gives a list, pp. 83-154, of 2392 fungi, edible species in italics. This list is the most extensive up to date, with the exception of Schweinitz's Synopsis. Many of the names appear here for the first time in print, and the descriptions, credited to Berkeley and Curtis, were given by Berkeley in the Notices of North American Fungi, q. v. Four species omitted from the list are given on a supplementary unnumbered page. A few species named have never been described. The list of edible fungi is given by F. P. Porcher in "Fungi, edible and poisonous," q. v. See also *Rept. U. S. Dept. Agr.* for 1876, p. 79.

**Curtis, Moses Ashley.**

196. On the esculent fungi of America. *Jour. Roy. Hort. Soc.* II. new ser. 71-79. 1870. Also *Gard. Chron.* 9 Oct. 1869. p. 1066.

Gives in a letter to Berkeley the results of experiments on a number of species, especially from Carolina, with remarks on taste and value as food. Substance of this article to be found in "Fungi, their nature and uses," p. 88 *et seq.* See COOKE and BERKELEY.

N. B. In *Am. Jour. Sci. Arts.* XLII. 2 ser. p. 129, it is stated that Curtis is about to publish a work on edible fungi, but the contemplated work was never issued.

**— and Berkeley, M. J.**

197. United States Exploring Expedition during the years 1838-1842, under the command of Charles Wilkes, U.S.N. Vol. XVII. Botany. 4<sup>o</sup>. Philadelphia. 1862. 1874. Fungi. pp. 195-203. Pl. 1.

Thirty-one species named, of which 3 are from Oregon; *Cantharellus aurantiacus*, *Polyporus ritteri* var. and *Batractra phalloides*. For other fungi of Wilkes' Expedition, see BERKELEY and CURTIS, no. 48, above. Extras distributed in 1862. Volume issued 1874.

**Day, David Fisher.** Buffalo, 11 June, 1829.

198. A catalogue of the native and naturalized plants of the city of Buffalo and its vicinity. *Bull. Soc. Nat. Sci. Buffalo*, IV. 65-152, 1882; 153-290, 1883. Reprint. 8<sup>o</sup>. pp. 215, with chart. Buffalo. 1883.

The fungi, pp. 174-235 (110-171), were determined by C. H. Peck from specimens collected by G. W. Clinton; 869 species are enumerated, with their habitats and, in some cases, synonymy and critical notes. Some of the species previously mentioned in *Reports N. Y. State Museum Nat. Hist.* See PECK, C. H.

**Demetrio, Carl Hermann.** Eisenberg, Saxony, 24 Dec. 1845. See WINTER, G.

199. **Department of Agriculture** of the United States. See AGRICULTURAL REPORTS.

**Desmazières, Jean Baptiste Henri Joseph.** 1796. †Lambersart, near Lille, 23 June, 1862. See BERKELEY, M. J.

**Desvaux, Nicaise Augustin.** Poitiers, 28 Aug. 1784. †Bellevue, near Angers, 12 July, 1856. See PERSOON, C. H.

200. Observations sur quelques genres à établir dans la famille des champignons. *Desvaux's Journal de Botanique*, II. 88-105. Paris. 1809.

On p. 94 the genus *Calostoma* is described, founded on *Scleroderma calostoma*, P., *Mitryces cinnabarinus*, Schw.

**Duby, Jean Etienne.** Geneva, 1798. †Geneva, 21 Nov. 1855.

201. Mémoire sur la tribu des *Hystérinées* de la famille des *Hypoxylées* (*Pyrénomyctères*). 4<sup>o</sup>. pp. 58. Pl. 1, 2. Geneva. 1861. Ext. *Mém. Soc. Phys. et Hist. Nat. XVI.* 15-70. Pl. 1, 2. Geneva. 1862.

Includes descriptions of 19 American species, 8 new, principally from collections of M. A. Curtis, H. W. Ravenel, and Schweinitz, with figures of some of them. For revision of species in this work, see REHM, H., and BILLINGS, J. S., title no. 63b.

**Dudley, Plimmon Henry.** Freedom, Portage Co., O., 21 May, 1843.

202. Fungi inducing decay in timber. *Trans. Acad. Sci. New York*, V. 110-118. Jan. 1886.

Gives a list of 17 species, *Hymenomycetes*, known by the writer to cause rotting of timber in the Eastern States, *Lentinus lepideus* being the most destructive. Also notes on the action of other species named.

203. — Fungi which cause decay in timber. *Jour. N. Y. Micros. Soc.* II. 36, 37. Feb. 1886.

Account of the growth of *Lentinus lepideus*.

204. — Woods and their destructive fungi. *Pop. Sci. Monthly*, XXIX. 433-444, 604-617. Fig. 23. Aug.-Sept. 1886.

Account of observations on the action of fungi on timber and the remedies, with descriptions and figures of a number of species, principally *Polyporei*.

**Earle, Franklin Sumner. Dwight, Grundy** Co., Ill., 4 Sept. 1856.

205. Notes on the North American forms of *Todosphaera*. *Bot. Gaz.* IX. 24-26. Feb. 1884.

Account of different forms referred to *P. Oryacanthae* (DC.).

205<sup>a</sup>. — Fungoid diseases of the strawberry. *Rept. Kansas State Hort. Soc.* XIV. 133-137. Topeka. 1885. Also *Rept. Am. Hort. Soc.* for 1884. See next title.

206. — Fungoid diseases of the strawberry. *Fruit-Growers' Jour.* Cobden, Ill. 29 Jan. 1885. Also *Trans. Miss. Valley Hort. Soc.* III. 47-54. Account of *Ramularia Tulasnei*, *Gloeosporium Potentillae*, and a new *Bacillus*.

**Eaton, Amos.** Chatham, Columbia Co., N. Y., 17 May, 1776. †Troy, N. Y., 10 May, 1842.

207. A Manual of Botany for the Northern States, comprising generic descriptions of all phaenogamous and cryptogamous plants to the north of Virginia, hitherto described; with references to the natural orders of Linnaeus and Jussieu. 12<sup>o</sup>. pp. 164. Albany. 1817.

This volume, which has on the title-page "By the members of the botanical class in Williams College, from a manuscript system compiled by the author of Richard's Botanical Dictionary," is the first edition of the following work.

208. — A Manual of Botany for the Northern and Middle States. Part 1, containing generic descriptions of the plants to the north of Virginia, with references to the natural orders of Linnaeus and Jussieu. Part 2, containing descriptions of the indigenous plants, which are well defined and established; and of the cultivated exotics. 12<sup>o</sup>. Albany. 1817. pp. 524. 2d ed. 1818; 3d ed. 1822; 4th ed. 1824; 5th ed. 1829; 6th ed. 1833; 7th ed. 1836; 8th ed. 1840.

The 1st edition has 3 pages, with 22 genera of fungi, each illustrated by a single species, compiled by the author mostly from Turton and Linnaeus. The 2d edition has the same genera, pp. 117-119 of part 1, but they are repeated alphabetically in the second part, and several species described under them, including some not given by Muhlenberg. The generic characters of fungi of this edition are said to be taken from Linnaeus. In the 3d edition, 54 genera of fungi are given from Persoon's Synopsis, and the list of species corresponds with Muhlenberg's Catalogue. Editions 4 and 5 have the same fungi. The 6th edition has the genera of fungi, pp. 6-13, part 2, rearranged from Loudon on Fries's system, the species the same as before, with some additions. In editions 7 and 8, fungi the same as before.

209. — Observations on the *Boletus ignarius*, showing its analogy to animal substances in closing its several parts. *Am. Jour. Sci. Arts.*, VI. 177. Jan. 1823.

Account of the union of cut surfaces in this species.

**Edwards, A. M.**

210. Note on fungi. *Torr. Bull.* II. 39, 40. Oct. 1871.

Mention of 5 *Uredineae* from New York, determined by M. C. Cooke.

**Ehrenberg, Christian Gottfried.** Delitzsch, 19 April, 1795. †Berlin, 27 June, 1876.

211. Fungos a viro clarissimo Adalberto de Chamisso sub auspiciis Romanzoffianis in itinere circa terrarum globum collectos enumeravit novosque descripsit et pinxit Dr. C. G. Ehrenberg. *Horae Physic. Berolin.* pp. 79-104. Pl. 17-20. f<sup>o</sup>. Bonn. 1820.

Includes descriptions of 7 species from Unalaschka, 2 from St. Lawrence Island, 4 new, with figures.

**Ellis, Job Bicknell.** Potsdam, N. Y., 21 Jan. 1829. See BRITTON, N. L. See CRAGIN, F. W. See COOKE, M. C. See JOURNAL MYCOLOGY. See MACOUN, J. See PECK, C. H. See SACCARDO, P. A.

**Ellis, Job Bicknell.**

+ 212. New species of fungi found at Newfield, N. J. *Torr. Bull.* V. 45, 46, Nov. 1874; VI. 75-77, Feb. 1876.  
Descriptions of 16 species.

+ 213. — South Jersey fungi. *Torr. Bull.* VI. 106-109, 133-135. Sept. 1876—Feb. 1877.  
Continuation of paper by C. H. Peck, *Torr. Bull.* VI. 13, 14. Characters of 29 new species, new name proposed for *Boletus squamulosus*, and note on synonymy of *Sphaeronema nigripes*.

+ 214. — Rediscovery of a lost *Sphaeria*. *Torr. Bull.* VI. 231, 232. May, 1878.  
Reports the discovery of *S. barbirostris*, Duf., in New Jersey.

215. — On the variability of *Sphaeria Quercuum*, Schw. *Proc. Acad. Nat. Sci. Philadelphia.* 1879. pp. 66-70.  
Twenty different species are considered to be the same as *S. Quercuum*, and the name *Melogramma fuliginosum* is proposed to designate them all. See review by M. C. Cooke in *Grev.* VIII. 35, 36, and reply by J. B. Ellis in *Proc. Acad. Nat. Sci. Philadelphia*, 1879, pp. 381, 382, and *Grev.* VIII. 143-144, with supplementary note by Cooke.

+ 216. — A new *Sphaeria* on grapes. *Torr. Bull.* VII. 90, 91. Aug. 1880.  
Describes *S. Bidwellii*, which is thought to be connected with *Phoma uvicola*.

+ 217. — Development of *Sphaeria Solidaginis*, Schw. *Torr. Bull.* VIII. 29. March, 1881.  
States that *Coleosporium Solidaginis* is a form of *Dothidea Solidaginis*.

+ 218. — New species of North American fungi. *Torr. Bull.* VIII. 64-66, 73-75, 89-91, June, July, August, 1881; — IX. 18-20, 73, 74, 98, 99, 111, 112, 133, 134, Feb., June, Aug., Sept., Nov. 1882; — X. 52-54, May, 1883.  
Characters of 92 species, principally from New Jersey, some distributed in North American Fungi Exs. Also 10 species from Utah, and a few from Maine, New York, etc. In two of the parts the title reads "New North American Fungi."

+ 219. — New Ascomycetous fungi. *Torr. Bull.* VIII. 123-125. Nov. 1881.  
Characters of 13 species collected in Pleasant Valley, Utah, by S. J. Harkness.

+ 220. — *Diatrype disciformis* var. *Magnoliae*. *Am. Nat.* XVI. 238, 239. March, 1882.  
The variety separated as a species under the name *D. tremellophora*.

+ 221. — New fungi. *Am. Nat.* XVI. 810, 811. Oct. 1882.  
Describes 7 species of *Septoria* and *Cercospora* from Lexington, Ky.

+ 222. — New species of North American fungi. *Am. Nat.* XVII. 192-196, 316-319, Feb., March, 1883.  
Descriptions of 35 Ascomycetes, principally from New Jersey and Iowa.

+ 223. — Large fungi. *Am. Nat.* XVII. 1064. Oct. 1883.  
Note on large *Hydnus septentrionale*, *Trametes suaveolens*, etc.

+ 224. — Notes on *Gymnosporangium* and *Roestelia*. *Am. Nat.* XVII. 1281. Dec. 1883.

+ 225. — Notes on fungi. *Am. Nat.* XVIII. 530, 531, 721, 722. May, June, 1884.  
Notes on peculiarities of a number of *Polypori*.

+ 226. — Note on *Sphaerella polystigma*, Ell. and Everh. *Torr. Bull.* XI. 120. Oct. 1884.  
Notes a septum in the spores.

+ 227. — *Microsphaera fulro-fulcra*, Cooke. *Jour. Myc.* I. 83. June, 1885.  
The no. 323, North American Fungi Exs., and 3045, Fungi Eur., are *Podosphaera*, probably *P. minor*, Howe.

+ 228. — Notes on *Polyporus*. *Jour. Myc.* II. 5, 6. Jan. 1886.  
Observations on *P. frondosus*, *P. flavo-virens*, *P. dependens*, and *P. Ellisii*.

+ 229. — Notes on some published species of fungi. *Jour. Myc.* II. 43, 44. April, 1886.  
Notes on 5 species. See next title.

+ 230. — *Uncinula polychaeta*, B. and C. *Jour. Myc.* II. 52, 53. May, 1886.  
A comparison of this species with *U. Lynchii*, Speg. See also *Jour. Myc.* II. 43.

+ 231. — Phosphorescent fungi. *Jour. Myc.* II. 70, 71. June, 1886.  
*Panus stypticus* said to be phosphorescent.

— and **Everhart, B. M.**

+ 232. New species of fungi. *Torr. Bull.* X. 76, 77, 89, 90, 97, 98, 117, 118. July—Oct. 1883.  
Describes 29 species, mostly Ascomycetes, the greater part from Pennsylvania and New Jersey.

+ 233. — — New (species of) North American fungi. *Torr. Bull.* XI. 17, 18, 41, 42, 73-75. Feb., April, July, 1884.  
Describes 24 species from New Jersey, Iowa, Illinois, Canada, and California.

+ 234. — — New species of fungi from Washington Territory, collected by W. N. Suksdorf during the summer and fall of 1883. *Bull. Washburn Coll. Laboratory Nat. Hist.* I. 3-6. Sept. 1884.  
Descriptions of 16 species of different orders.

+ 235. — — Enumeration of the North American *Cercosporae*, with descriptions of the species. *Jour. Myc.* I. 17-24, 33-40, 49-56, 61-67. Feb.—May, 1885.  
Descriptions of 116 species, with list of host-plants. See no. 246.

+ 236. — — New fungi. *Jour. Myc.* I. 42-44, 140, 141, 148-154. March, Nov., Dec. 1885.  
Descriptions of 42 species; a new genus, *Kellermania*. See also *Hedwigia*, XXV. 108-110.

+ 237. — — On *Ramularia obovata*, Fuckel. *Jour. Myc.* I. 69, 70. May, 1885.  
Critical note on some forms referred to this species, some of which are placed in a new species *R. decipiens*.

+ 238. — — North American species of *Ramularia*, with descriptions of the species. *Jour. Myc.* I. 73-83. June, 1885.  
Descriptions of 41 species, with list of host-plants. See no. 241.

+ 239. — — Canadian Fungi. *Jour. Myc.* I. 85-87. July, 1885.  
List of 34 species collected by Prof. John Macoun, 5 described as new.

+ 240. — — New species of fungi. *Jour. Myc.* I. 88-93. July, 1885.  
Descriptions of 23 new species from Dakota, Oregon, Utah, New Jersey, and other States.

+ 241. — — Supplementary notes on *Ramularia*. *Jour. Myc.* I. 102. Aug. 1885.  
Note on *R. macrospora* v. *Senecionis* and *R. crypta*.

+ 242. — — The North American species of *Gloeosporium*. *Jour. Myc.* I. 109-119. Sept. 1885.  
Forty-seven species, with list of hosts.

+ 243. — — A new genus of *Pyrenomyces*. *Jour. Myc.* I. 128, 129. Oct. 1885.  
Description of *Hypotheca*, with 3 species.

+ 244. — — North American species of *Cylindrosporium*. *Jour. Myc.* I. 126, 128. Oct. 1885.  
Descriptions of 8 species, with list of host-plants.

**Ellis, J. B., and Everhart, B. M.**  
 245. Fungi of the Greeley Expedition. *Bot. Gaz.* X. 366. Oct. 1885. Also *Jour. Myc.* I. 141. Nov. 1885.

Description of *Puccinia Cheiranthi* on *C. pygmaeus* from Grinnell Land.

246. — — — Supplementary enumeration of the *Cercosporae*. *Jour. Myc.* II. 1, 2. Jan. 1886.

Gives 8 additional species, 5 of them new.

247. — — — Synopsis of the North American *Hypocreaceae*, with descriptions of the species. *Jour. Myc.* II. 28-31, 49-51, 61-69, 73-80, 97-99, 109-111, 121-125, 133-137; — III. 1-6. March, 1886—Jan. 1887.

Full descriptions of 161 species, with host index.

248. — — — New species of fungi from various localities. *Jour. Myc.* II. 37-42, 87-89, 99-104. April—Sept. 1886.

Fifty-four species, mostly from Louisiana. One new genus, *Coscinaria*.

249. — — — *Kellermania*, Ell. and Everh. *Jour. Myc.* II. 111. Oct. 1886.

The genus emended and two new species described.

— and **Harkness, H. W.**

250. Some new species of North American fungi. *Torr. Bull.* VIII. 26-28, 51-52. March—May, 1881.

Descriptions of 11 species, 2 from California, the rest from New Jersey and Pennsylvania.

251. — — — New Californian fungi. *Bull. Cal. Acad. Sci.* I. 26-29 (6-9). Feb. 1884.

Descriptions of 8 species, all but 1 *Uredineae*.

— and **Holway, E. W.**

252. New fungi from Iowa. *Jour. Myc.* I. 4-6. Jan. 1885.

Descriptions of 15 species.

— and **Kellerman, W. A.**

253. New species of North American fungi. *Am. Nat.* XVII. 1164-1166. Nov. 1883.

Fourteen species, principally from Fairfield Co., Ohio.

254. — — — Kansas Fungi. *Torr. Bull.* XI. 114-116, 121-123. Oct., Nov. 1884.

Descriptions of 26 species, the greater part *Cercosporae*.

255. — — — New Kansas Fungi. *Jour. Myc.* I. 2-4, Jan. 1885; — II. 3, 4, Jan. 1886.

Descriptions of 20 new species. See species in *Hedwigia*, XXIV. 126, 127, 172-174.

256. — — — Two new species of *Cylindrosporium*. *Jour. Myc.* II. 81. July, 1886.

Descriptions of *C. Tradescantiae* and *C. angustifolium*.

— and **Martin, G.**

257. Some new species of *Sphaeriaceous* fungi. *Am. Nat.* XVI. 809, 810. Oct. 1882.

Describes 5 species, 4 of them on *Sabal serrulata* in Florida.

258. — — — New species of North American fungi. *Am. Nat.* XVI. 1001-1004, Dec. 1882; — XVIII. 1147-1148, 1264, Nov., Dec. 1884; — XIX. 76, 77, Jan. 1885.

Descriptions of 41 species, the greater part from Florida.

259. — — — New Florida Fungi. *Am. Nat.* XVII. 1283-1285, Dec. 1883; — XVIII. 69, 70, 188-190, Jan., Feb. 1884.

Describes 22 species collected near Green Cove Spring, Florida.

260. — — — New Florida Fungi. *Jour. Myc.* I. 97-101. Aug. 1885.

Notes and descriptions of 15 species, some from New York, New Jersey, and Lake Superior. Descriptions also given in *Hedwigia*, XXV. 40-41.

261. — — — New Fungi. *Jour. Myc.* II. 128, 130. Nov. 1886.

Descriptions of 11 species, principally *Phyllostictae*, from different localities.

**Endlicher, Stephan Ladislaus.** Pressburg, 24 June, 1804. †Vienna, 28 March, 1848.

262. Genera Plantarum secundum ordines naturales disposita. 4<sup>o</sup>. pp. LX. 1483. Vienna. 1836-1840.

Includes descriptions of American genera of fungi taken from original sources. Nothing of importance in supplements.

**Engelmann, George.** Frankfort-on-the-Main, 2 Feb. 1809. †St. Louis, 4 Feb. 1884. See de BARY, A. See **GOETHE, R.**

263. — Diseases of grapes. *Trans. Acad. Sci.* St. Louis, II. 165, 166. Read 16 Sept. 1861.

The report of proceedings of this meeting contains some remarks on *Peronospora viticola* and the black rot, said to be caused by *Naemaspore ampelicida*. See also de BARY, A. Also given in full in *Am. Pomol. Soc. Session* 1879, pp. 41, 42.

264. — Oak and grape fungi. *Trans. Acad. Sci.* St. Louis, III. ccxv., ccxvi. 1878. Read 5 June, 1876.

Notes on *Phoma viticola*, *Depazea Labruscae*, and a new species, *Septoria Querci*, the latter not described.

265. — Illustrated descriptive catalogue of American grape vines. A grape-growers' manual. 4<sup>o</sup>. pp. 153. St. Louis. 1883. 3d ed.

The so-called Bushberg Catalogue of Bush & Son & Meissner, of which earlier editions appeared in 1869 and 1875. Has on pp. 47-48, a notice of diseases of the grape vine by Engelmann, including *Peronospora viticola*, *Oidium*, and *Phoma uricola*. Not in earlier editions which, like 3d ed., have general notices of grape diseases by the editors.

**Everhart, Benjamin Matlack.** West Whiteland, near West Chester, Pa., 24 April, 1818. See ELLIS, J. B. See **EXSICCATI** in Supplement.

**Farlow, William Gilson.** Boston, Mass., 17 Dec. 1844.

266. The Potato Rot. *Bull. Bussey Inst.* I. 319-338. Fig. 7. 1875.

A popular account of potato rot, lettuce mould, etc.

267. — On a disease of Olive and Orange Trees, occurring in California in the spring and summer of 1875. *Bull. Bussey Inst.* I. 404-414. Pl. I. March, 1876.

Detailed account of *Capnodium Citri* and the injury done by it, with notes on synonymy. Rev. in *Pacific Rural Press*, XXV. 208. 10 March, 1883. See no. 270.

268. — On the American grape-vine mildew. *Bull. Bussey Inst.* I. 415-429. Pl. 2, 3. March, 1876.

Account of the development of *Peronospora viticola*, followed by a synopsis of the *Peronosporae* of the United States, in which 9 species are described. Rev. in *Jour. Roy. Hort. Soc.* V. 2 ser. 68-76. See no. 270.

269. — List of fungi found in the vicinity of Boston. *Bull. Bussey Inst.* I. 430-439, March, 1876; — II. 224-252, Jan. 1878.

Part 1 gives an enumeration of 242 species, with localities and hosts. Part 2, an enumeration of 121 additional species, with critical notes on *Chytridinae*, one new species described, *Uredineae*, *Gasteromycetes*, and other orders, besides a supplementary note with descriptions of *Hendersonia Curtissii*, Berk., *H. nobilis*, B. and C., and *H. pubens*, B. and C., from the Curtis herbarium. See no. 270.

270. — The Black Knot. *Bull. Bussey Inst.* I. 440-454. Pl. 4-6. March, 1876.

Detailed account of the anatomy and action of *Sphaeria morbos*, Schw. Rev. in *North Am. Entomol.* I. 13-15. This paper, bound with no. 267 and 268 and the first part of no. 269, was issued as a separate pamphlet, with original paging, March, 1876.

**Farlow**, William Gilson.

271. Onion Smut, an essay presented to the Massachusetts Society for Promoting Agriculture, pp. 15, pl. 1, and fig. 5. Boston. 1877. Extr. 24th Rept. Mass. Board Agr. for 1876. Part 2. pp. 164-176.

Account of *Urocystis Cepulae*, and damage done by it in New England, with a note on *Papulaspora sepedonicoides*. Rev. in *Grevillea*, V. 158; and *Gard. Chron.* 1877. pp. 441 and 634.

272. — Notes on some common diseases caused by fungi. *Bull. Bussey Inst.* II. 106-114. Pl. 1. 1877.

Notes on *Sphaeria morbosa*, *Urocystis Cepulae*, etc., with account of *Uncinula spiralis* and its action, with figures. Rev. in *Jour. Roy. Hort. Soc.* V. new ser. 69-71. Plate also given in *Rural New-Yorker*. 30 Jan. 1886.

273. — Diseases of fruit-bearing trees. 25th Rept. Mass. Board Agr. for 1877. pp. 218-233 (1-16). Fig. 7. 1878.

Popular account of black-knot of plums, grape moulds, etc., with figures from author's previous papers.

274. — On the synonymy of some species of *Uredineae*. *Proc. Amer. Acad. Arts and Sci.* Boston, XIII. (V. n. s.) 251, 252 (262, 263). 1878. Read Feb. 1878.

Notes on nomenclature of a *Uromyces* on *Brizopyrum*, *Ramularia* on *Rumer*, and a *Puccinia* on *Malvastrum*, in California. By a misprint, pages of reprint differ from original.

275. — Diseases of forest trees. *Trans. Mass. Hort. Soc.* for 1879. Part 1. pp. 44-46. 1879.

Abstract of popular lecture. Substance given in *Bot. Gaz.* IV. 244.

276. — The *Gymnosporangia* or cedar apples of the United States. *Anniversary Memoirs Soc. Nat. Hist.* Boston. pp. 1-38. Pl. 1, 2. 1880.

Description of the *Gymnosporangia* and *Roesteliae* of the United States, with account of cultures made to show the connection of the species of the two genera. One hundred reprints issued. As paper is hard to obtain, consult following reviews. *Bot. Gaz.* VI. 209; *Am. Nat.* XV. 471; *Torr. Bull.* VIII. 71; *Grevillea*, IX. 138.

277. — Unusual habitat of a *Coprinus*. *Torr. Bull.* VIII. 67. June, 1881.

Notes the occurrence of *C. stercorearius* on water containing algae.

278. — Notes on *Gymnosporangia*. *Torr. Bull.* VIII. 85-87. Aug. 1881.

New localities of *Gymnosporangia* and *Calyptospora*.

279. — Notes on some species in the 3d and 11th centuries of Ellis's North American Fungi. *Proc. Am. Acad. Arts and Sci.* Boston, XVIII. (X. n. s.) 65-85. 1883. Issued July, 1883.

Critical notes on several *Peronosporae*, *Uredineae*, and *Exoasci* of this series, with descriptions of 7 new species, one from Bermuda, preceded by general remarks on nomenclature of *Uredineae*. Rev. in *Bot. Gaz.* VIII. 302.

280. — Note on *Phallus togatus*, Kalchb. *Bot. Gaz.* VIII. 258, 259. July, 1883.

Notes on the nomenclature of the *Dictyophorae* of the United States. *P. togatus*, Kalchb., referred to *P. duplicitus*, Bosc. See KALCHBRENNER, K.

281. — Notes on some *Ustilagineae* of the United States. *Bot. Gaz.* VIII. 271-278 (1-7). Aug. 1883.

General notes on *Ustilagineae* of the United States, with synopsis of species of the genus *Entyloma* in the United States, with descriptions of 4 new species, and description of *Doassansia Epilobi*.

282. — Additional note on *Ustilagineae*. *Bot. Gaz.* VIII. 318. Oct. 1883.

Notes on the *Doassansia* and other species mentioned in last-named paper.

283. — Enumeration of the *Peronosporae* of the United States. *Bot. Gaz.* VIII. 305-315, 327-337. Oct., Nov. 1883.

Descriptions and synonymy of 35 species known in this country, 5 new species, with list of hosts. See no. 285.

284. — Notes on the cryptogamic flora of the White Mountains. *Appalachia*, III. 232-251. Jan. 1884.

Enumeration of 108 fungi, pp. 237-251, 8 new species described, including 3 given also in *Bot. Gaz.* VIII. 275-277. Critical notes on several of the species, including an account of the *Peridermia* of the White Mountains. pp. 239-243. Rev. in *Rev. Myc.* VI. 129.

285. — Additions to the *Peronosporae* of the United States. *Bot. Gaz.* IX. 37-40. March, 1884.

Two species and one variety new to the United States, with new hosts for 13 species enumerated in paper above. See no. 283.

286. — Maladies des morues sèches. *Rev. Myc.* VI. 197-199. Pl. 49. Fig. 1, 2. July, 1884.

Description of *Sarcina Morrhuae* and *Oidium (Torula) pulvinatum*, with figure. See also foot-note in *Rev. Myc.* VII. 17, for correction.

287. — Notes on a fungus parasitic on species of *Potamogeton*. *Trans. Field-Naturalists' Club*, Ottawa, II. 127-129 (1-3). 1884.

Notes on *Doassansia Farlowii* received from Dr. J. Fletcher.

288. — Notes on fungi. *Bot. Gaz.* X. 219-221. Feb. 1885.

Remarks, with corrections of statements in papers here numbered 279 and 281.

289. — Notes on some species of *Gymnosporangium* and *Chrysomyxa* of the United States. *Proc. Am. Acad. Arts and Sci.* Boston, XX. (XI. n. s.) 311-323. 1885. Read 11 Feb. 1885.

Summary of cultures of spores of *Gymnosporangia* made by author up to date, with additional remarks on the *Peridermia* and *Chrysomyrae* of the White Mountains and other localities. Rev. in *Jour. Myc.* I. 45.

290. — The *Synchytria* of the United States. *Bot. Gaz.* X. 235-245. Pl. 4. March, 1885.

Synopsis of species in the United States, two of them new.

291. — Notes on some injurious fungi of California. *Bot. Gaz.* X. 346-348, Oct. 1885; and *Proc. Am. Ass. Adv. Sci.* XXXIV. 300-303. Also in *Proc. Soc. Prom. Agr. Sci.* 1885. pp. 29-31.

Account of *Peronospora Hyoscyami* and *Puccinia Matrasti* in California.

292. — Vegetable parasites of codfish. *Bull. U. S. Fish Comm.* VI. 1-4. Fig. 2. 1886.

Summary of papers on the subject, including fungi from paper no. 286, with additional notes.

293. — Development of *Roesteliae* from *Gymnosporangia*. *Bot. Gaz.* XI. 189, 190. July, 1886.

Preliminary report. See next title.

294. — The development of the *Gymnosporangia* of the United States. *Bot. Gaz.* XI. 234-241. Sept. 1886.

Paper read at the meeting of the Am. Ass. Adv. Sci. at Buffalo, N. Y., Aug. 1886, giving results of cultures made by B. D. Halsted and R. Thaxter, etc. Abstr. in *Proc. Am. Ass. Adv. Sci.* XXXV. 254. The paper by Thaxter, not here included, issued Jan. 1887, in *Proc. Am. Acad.* Boston.

295. — On a supposed disease of roses caused by a fungus. *Proc. 7th Ann. Meeting Soc. Prom. Agr. Sci.* pp. 24, 25. Columbus, O. 1886.

Read at the meeting at Buffalo in August; issued in November. *Leptothyrium chromospermum*, Peck, on roses, said to be the spores of a *Pilobolus*, and *Gymnosporium harknessioides*, Ellis and Holway, considered to be spores of some ascomycetous fungus.

**Farlow**, William Gilson.

† 296. *Puccinia Malvacearum*, Mont., in Massachusetts. *Bot. Gaz.* XI. 309, 310. Nov. 1886.

Reports the discovery of this species on *Althaea rosea* at Beverly, Mass.

**Field**, Martin.

297. On the origin of ergot. *Am. Jour. Sci. Arts.* IX. 359-362. June, 1825.

Letter, with notes, on ergot in Vermont. Of little value at the present day.

**Fisch**, C.

298. Entwicklungsgeschichte von *Doassansia Sagittariae*. *Ber. Deutsch. Bot. Gesell.* II. 405-416. Pl. 10. Oct. 1884.

Includes a reference to *D. Epilobii* of the United States.

**Fischer**, Eduard.

299. Beitrag zur kentniss der gattung *Graphiola*. *Bot. Zeit.* XLI. 745-756, 761-773, 777-788, 793-801. Pl. 6. Nov. 1883.

Includes accounts, with figures, of *G. Phoenicis*, *G. congesta*, and *G. compressa*, the latter new, from United States.

300. — Versuch einer systematischen Uebersicht über die bisher bekannten *Iphalloideen*. *Jahrbuch des Bot. Gart. und Bot. Mus. zu Berlin*, IV. 1-92. Pl. 1. 1886.

General account of this group followed by full descriptions, including species of the United States. Rev. in *Am. Nat.* XX. 894. 1886.

**Fischer de Waldheim**, Alexandre.

301. Beiträge zur biologie und entwickelungsgeschichte der *Ustilagineen*. *Pringsheim Jarhb.* VII. 61-144. Pl. 7-12. 1869.

Does not refer specially to species of the United States. Given here because an English translation of the work was given in *Trans. N. Y. State Agr. Soc.* for 1870. pp. 280-354. Pl. 1-6. Albany. 1871.

302. — Aperçu systématique des *Ustilaginees*, leurs plantes nourricières et la localisation de leurs spores. 4°. pp. 51. Paris. 1877.

Paper presented at the International Botanical Congress at Amsterdam. Preliminary account of species published in full in *Ann. Sci. Nat. Bot.* See no. 304.

303. — Revue des plantes nourricières des *Ustilaginees*. 8°. pp. 20. Moscow. 1877. Extr. *Bull. Soc. Imp. Nat.* LII. 312-331. Moscow. 1877.

Taken from work named above, with emendations.

304. — Les *Ustilaginees* et leurs plantes nourricières. *Ann. Sci. Nat. Bot.* 6 ser. IV. 190-276. 1876. (1877.)

General account of the order, followed by descriptions of all known species, including American forms, with host-index and index of organs attacked by these fungi. Also in Polish, with additional synonymy "Les Ustilaginees, esquisse monographie," part 1, pp. 15, 1877; part 2, pp. 131, 1878. Warsaw.

**Forster**, John Reinhold. Dirschau, 22 Oct. 1729. † Halle, 9 Dec. 1798.

305. Travels through that part of North America formerly called Louisiana by Mr. Bossu, Captain of the French marines. Translated from the French by John Reinhold Forster, F.A.S. Illustrated, with notes relative chiefly to Natural History. To which is added by the translator a systematic catalogue of all the known plants of English North America, or, a *Flora Americae Septentrionalis*, together with an abstract of the most useful and necessary articles contained in Peter Loefling's travels through Spain and Cumana in South America. 8°. Vol. I., II. pp. 407, 432. London. 1771.

On II, p. 68, is a list of 6 fungi from Virginia and Carolina. The catalogue of plants was also issued separately.

306. **Fortieth Parallel Expedition**, Fungi of. See BILLINGS, J. S., and FROST, C. C.

**Fowler**, James. Bartibog, Miramichi, N. B., 17 July, 1829.

307. List of New Brunswick plants. *Ann. Rept. Secretary Agr., Province New Brunswick, for 1878*. Appendix B. pp. 35-63. Fredericton, N. B. 1879.

On p. 63 a list of 55 fungi, with hosts and localities. Also in *Educational Circular*, no. 9. Fredericton. 1880.

**Fries**, Elias Magnus. Femsjö, Smoland, 15 Aug. 1794. † Uppsala, 8 Feb. 1878.

308. *Observationes Mycologicae*. 12°. Vol. I. pp. 230. Pl. 1-4. 1815. — Vol. II. pp. 372. Pl. 5-8. 1818. Copenhagen.

Notes on a small number of Schweinitzian species.

† 309. *Systema Mycologicum*, sistens fungorum ordines, genera et species, hue usque cognitas, quas ad normam methodi naturalis determinavit, disposita atque descripsit Elias Fries. 12°. Vol. I. pp. 520. Lund. 1821. — Vol. II. 2 parts. pp. 620. Lund. 1822-23. — Vol. III. pp. 524, with Index, pp. 202, of genera, species, and synonyms in the *Systema Mycologicum* and *Elenchus Fungorum*. Greifswald. 1832.

Includes descriptions and revisions of a considerable number of American fungi, especially species of Schweinitz and Muhlenberg. See no. 311.

310. — *Systema orbis vegetabilis* primas lineas novae constructionis periclitatur Elias Fries. Pars 1. *Plantae Homoneae*. 12°. pp. 374. Lund. 1825.

Has references to genera and species of Bosc and of Schweinitz's *Syn. Fung. Car. Sup.*

† 311. — *Elenchus Fungorum*, sistens commentarium in *Systema Mycologicum*. 12°. Vol. I. pp. 238. Vol. II. pp. 154. Greifswald. 1828.

This is the title given to the whole work in copies seen. There is a secondary title for each part, same as title here given, no. 309, to which is added "Supplementa voluminis primi—secundi. 1830." This work is in fact a supplement to vols. I. and II. of the *Systema Mycologicum*, and the contents are indexed in vol. III. of the *Systema*, published two years later.

312. — *Genera Hymenomycetum*. 8°. pp. 17. Uppsala. 1836.

Has notes on *Thelophora sistotreoides* and *T. pedicellata* of Schweinitz.

313. — *Synopsis generis Lentinorum*. 8°. pp. 15. Uppsala. 1836.

Includes descriptions of 10 species from the United States, among them *Agaricus chama*, Bosc, referred to *Lentinus*.

† 314. — *Epicrisis systematis mycologici*, seu synopsis *Hymenomycetum*. 8°. pp. 608. Uppsala. 1836-1838.

Includes descriptions and revisions of American species.

315. — *Summa vegetabilium Scandinaviae*, seu enumeratio systematica et critica plantarum quum cotyledonearum tum nemearum inter mare occidentale et album inter Eidoram et Nordkap haec tenus lectarum indicata simul distributione geographicā. 8°. 2 parts. pp. viii. 572. 1846-1849. Stockholm and Leipsic.

In the second part is an enumeration and generic revision of fungi, pp. 261-525, 563, 564, including a considerable number of revisions of American genera, principally Schweinitzian.

† 316. — *Novae Symbolae Mycologicae* in peregrinis terris a botanicis Danicis collectae. *Nova Acta. Sci. Uppsala*, I. 17-136. 1851.

Includes notes on or descriptions of 54 species from the United States, mostly collected by M. A. Curtis and Schweinitz, some by H. W. Ravenel and Lindblom, and a number from the herbarium of E. Tuckerman.

† 317. — *Novarum symbolarum mycologicarum mantissa*. *Nova Acta. Sci. Uppsala*, I. 225-231. 1851.

Continuation of previous paper, including 20 species principally from Mexico and St. Thomas, W. I., but none credited to the United States.

**Fries, Elias Magnus.**

318. *Queletia*, novum *Lycoperdacearum* genus. Accedit nova *Gyromitriae* species, *Oefr. Kl. Vetensk. Akad. Förhand.* XXVIII. 171-174. Pl. 4. 1871.

The *Morchella Caroliniana* of Bose, referred to *Gyromitra*.

**Frost, Charles Christopher.** Brattleboro, Vt., 11 Nov. 1805. †Brattleboro, 16 March, 1880. See **BILLINGS, J. S.** See **PECK, C. H.** See **TUCKERMAN, E.**

319. — Further enumeration of New England Fungi. *Proc. Soc. Nat. Hist. Boston*, XII. 77-81. 1869. Read 20 May, 1868.

Continuation of paper by C. J. Sprague, I. c. V. 325, and VI. 315. A list of 263 species, without localities, some of the species not described at the time, and the names, apparently manuscript names, given by M. A. Curtis.

320. — Catalogue of *Boleti* of New England, with descriptions of new species. *Bull. Soc. Nat. Sci. Buffalo*, II. 100-105. June, 1874.

Enumeration of 47 species, 21 described as new by the author. Also one species by J. L. Russell and one of Berkeley and Curtis. See also Peck's 29th Rept. p. 45, and 38th Rept. p. 110.

N. B. The paper by this author, "Catalogue of cryptogamous or flowerless plants of Vermont," in Archives of Science, Newport, Vt., I. — III. does not include fungi.

**Fuckel, Leopold.** Ostrich-on-the-Rhine. †Vienna, 8 May, 1876. See **BONORDEN, H. F.**

**Gerard, William Ruggles.** Newburgh, N. Y., 29 March, 1841. See **BULLETIN TORREY CLUB**.

321. New species of fungi. *Torr. Bull.* IV. 47, 48, Oct. 1873; I. c. 64, Dec. 1873; — V. 26, 27, June, 1874; I. c. 39, 40, Sept. 1874; — VI. 31, 32, April, 1875; I. c. 77, 78, Feb. 1876.

Description of 48 new species, principally from Poughkeepsie, N. Y. Some of the species attributed to Cooke and Gerard. The species in parts 1, 3, and 5 also given in *Hedwigia*, XIII. 28, 29, 111, 112; XIV. 188-190. See also no. 324.

322. — White mildews or blights. *Proc. Soc. Nat. Sci. Poughkeepsie*, I. 2-16. Pl. 1-4. 8 Feb. 1875.

General account of classification of fungi, with plate, including figure of *Hysterium magnosporium*, Gerard, followed by detailed account of *Erysiphe*, with figures of 28 species and description of *Microsphaera Van Bruntiana*, Gerard. Plate 1 of reprint is colored.

323. — Spurious fungi. *Torr. Bull.* VI. 114, Oct. 1876.

States, on the authority of C. V. Riley, that *Rhytisma Solidaginis*, Schw., and *R. Asteris*, Schw., are insect galls.

324. — Descriptions of new fungi. *Proc. Soc. Nat. Sci. Poughkeepsie*, I. 85-87. Read 1 Nov. 1876.

Descriptions of 11 species, 7 previously described in *Torr. Bull.* VI. 77, 78.

325. — A truffle new to the North American flora. *Torr. Bull.* VI. 276. Nov. 1878.

Reports the discovery of *Tuber dryophilum* in Staten Island; also notes on distribution of truffles in the United States. Also given in *Proc. Soc. Nat. Sci. Poughkeepsie*, 20 Nov. 1878, pp. 18, 19.

326. — The *Saprolegnia ferax*. *Proc. Soc. Nat. Sci. Poughkeepsie*. 18 Dec. 1878. pp. 25-28.

327. — A new fungus. *Torr. Bull.* VII. 8-11. Pl. 1, 2. Jan. 1880.

Description and figure of *Simblum rubescens*, followed by a "List of United States *Phalloidei*," in which 13 species are enumerated. See *Rev. Myc.* II. 93. Pl. 6. Fig. 1.

328. — Additions to the U. S. *Phalloidei*. *Torr. Bull.* VII. 29, 30. March, 1880.

Supplementary notes on last-named paper, with remarks on some species of Rafinesque.

329. — Correlation between the odor of the Phalloids and their relative frequency. *Torr. Bull.* VII. 30-33. March, 1880.

330. — The preservation of pileate fungi for the herbarium. *Torr. Bull.* VIII. 14-16. Feb. 1881. Description of several methods. See also *Torr. Bull.* VIII. 32 *et seq.*, for account of G. Herpell's method.

331. — Some fungi from New Mexico. *Torr. Bull.* VIII. 34. March, 1881. Enumeration of 5 species, one described as new, *Aecidium Rusbyi*.

332. — Reliquiae Rafinesquianae. *Torr. Bull.* XII. 37, 38. April, 1885. Includes notes on 31 species of fungi in Rafinesque's "Select new plants of North America," of which there is a set of the proofs of unpublished plates in the library of the New York Academy of Science.

N. B. Species of new fungi by W. R. Gerard are included in Peck's 24th, 25th, and 26th Reports. Title no. 120 includes a letter from Gerard.

**Goethe, Robert.**

333. Mittheilungen über den schwarzen Brenner. pp. 22. Berlin and Leipsic. 1878. Original not seen. An abstract is given in English in *Proc. Am. Pomol. Soc. Session* 1879, pp. 44-46, entitled "Abstract of a treatise on the anthraenose (*Sphaceloma ampelinum*), which includes references to Engelmann's paper on grape rots.

**Goodale, George Lincoln.** Saco, Me., 3 Aug. 1839. See **AMERICAN NATURALIST**.

**Gore, James Howard.** Frederick Co., Virginia, 18 Sept. 1856.

334. Tuckahoe or Indian bread. *Rept. Smithson. Inst. for* 1881. pp. 687-701 (1-13). Fig. 5. Washington. 1883.

Account of properties and structure of tuckahoe, with summary of writings on the subject.

**Gray, George Robert.**

335. Notices of insects that are known to form the bases of fungoid parasites. 4°. pp. 22. Pl. 6. 1858.

Privately printed by the author. No place of publication given on title-page, but probably London. A general summary, with full account of literature of the subject, including American references and good plates reproduced from various sources.

**Greeley Expedition, Fungi of.** See **ELLIS, J. B.**, and **EVERHART, B. M.**

336. **Grevillea.** A monthly (quarterly) record of cryptogamic botany and its literature. Edited by M. C. Cooke. 8°. Illustr. Vol. I.-XV. July, 1872-Jan. 1887. London. To be continued.

Issued in monthly parts, from July, 1872-June, 1874, vols. I., II. From Sept. 1874 to present time issued quarterly. Includes all orders of cryptogams. Titles of papers on American fungi in this journal given here under authors' names. Reviews by the editor.

**Gronovius, Jan Fredrik.** 1690. †1762.

337. *Flora Virginica exhibens plantas quas V. C. Johannes Clayton in Virginia observavit atque collegit. Easdem methodo sexuali dispositus, ad genera propria retulit, nominibus specificis insinavit et minus cognitas descripsit Joh. Fred. Gronovius.* 8°. Part 1, pp. 128, and index. 1739. Part 2, pp. 129-206, preface and index. Leyden. 1743.

Part 1, p. 128, gives a list of 3 fungi. Part 2, p. 205, 7 fungi, including Tuckahoe. In the 2d edition of this work, published in 1762, pp. 176, index and map, 4°, is a list of 20 fungi, pp. 174-176.

**Hagen, Hermann August.** Königsberg, Prussia, 30 May, 1817.

338. Destruction of obnoxious insects, *Phylloxera*, potato-beetle, cotton-worm, Colorado grasshopper, and greenhouse pests, by application of the yeast fungus. 8°. pp. II. Cambridge. 1879. A paper reprinted, with slight modifications, from *Canadian Entomologist*, XI. 110-114. Recommends an application of yeast for destroying insects, and gives the results of application in certain cases.

**Hagen, Hermann August.**

339. On the destruction of obnoxious insects by yeast. *Canadian Entomologist*, XII. 81-83. May, 1880.

Supplementary to last-named paper, with notes on the botanical relations of *Entomophthorae*.

340. — *Cordyceps Ravenelii* on the larvae of *Phyllophaga*. *Canadian Entomologist*, XII. 89. May, 1880.

341. — Experiments with yeast in destroying insects. *Canadian Entomologist*, XIV. 38, 39. Feb. 1882.

Gives a letter from Thomas H. Hart, relating his success in applying yeast, from which certain conclusions are drawn.

**Hallier, Ernst.**

342. *Coniothecium Stilesianum*. *Rept. N. Y. State Agr. Soc. for 1867*, XXVII. part 2, 1149, 1150.

A letter from Hallier, including an account of this fungus, supposed to be the cause of Texas cattle fever. Also a letter from Hallier on p. 1146.

**Halsey, Abraham.**

343. Remarks on certain entozoical fungi. *Ann. Lyc. Nat. Hist. New York*, I. 125, 126. April, 1824.

Notice of exotic forms and brief reference to *Isaria Sphingum*, Schw.

**Halsted, Byron David.** Veniee, Cayuga Co., N. Y., 7 June, 1852.

344. Our common moulds. *Pop. Sci. Month.* IX. 398-409. Fig. 13. Aug. 1876.

345. — Injurious and other fungi. *Trans. Mass. Hort. Soc. for 1877*. Part 1. pp. 28-44. Pl. 1-3. Read 27 Jan. 1877.

Brief account of several common diseases of fungi, wheat blight, grape mould, black knot, etc.

346. — Fungi injurious to farmers. *Register of Rural Affairs*, VIII. 181-187. Fig. 5. Also in *Rept. Connecticut Board Agr. for 1881*.

347. — The white mildews. *Am. Pomolog. Soc. Session 1883*, pp. 87-89.

An account of several species of *Perisporiaceae* and the harm done by them.

348. — How fungi live in winter. *Pop. Sci. Month.* XXVI. 611-620. Fig. 1-12. March, 1885.

Account of resting condition of several species.

349. — A new Iowa Aecidium. *Jour. Myc.* II. 52. May, 1886.

Description of *Aecidium Phrymae*.

350. — *Gymnosporangium macropus* on *Pirus coronaria*. *Bot. Gaz.* XI. 190, 191. July, 1886.

Account of open-air cultures made at Ames, Iowa, to show the development of the aecidia of this species. See also paper entitled "The wild crab apple" in *Country Gentleman*, 21 Oct. 1886.

351. — An interesting *Peronospora*. *Bot. Gaz.* XI. 272. Pl. 8. Fig. a. b. Oct. 1886.

Account of *P. graminicola* in Iowa.

The following papers from the *American Agriculturist*, New York, should also be noted: "The American grape mildew," 1879, p. 348, fig. 5; also in *Michigan Pomol. Rep.* 1877, p. 134; — "What are fungi?" 1879, p. 268, fig. 4; — "The Wheat Rust," 1879, p. 301, fig. 6; — "Ergot," 1879, p. 388, fig. 8; — "Apple-leaf fungus," 1879, p. 468, fig. 5; — "White Mildew," 1879, p. 508, fig. 4; — "Black Knot," 1880, p. 22, fig. 6; — "Onion Smut," 1880, p. 104, fig. 3; — "Lettuce Mould," 1880, p. 148, fig. 3; — "Elderberry fungus," 1880, p. 234, fig. 1; — "The Corn Smut," 1880, p. 475, fig. 4; — "Wheat, oat, and barley smut," 1881, p. 404, fig. 3.

**Hanbury, Daniel.** 11 Sept. 1825. †London, 24 March, 1875. See *CURREY, F.*

**Harkness, Harvey Wilson.** Pelham, Mass., 25 May, 1821. See *COOKE, M. C.* See *ELLIS, J. B.* See *PHILLIPS, W.* See *PLOWRIGHT, C. B.*

352. — A Foe to the Lumberman. *Pacific Rural Press*, XVII. 49. Fig. 2. 25 Jan. 1879.

Account of a fungus, *Daedalia vorax*, which attacks the wood of *Abies Douglasii*.

353. — Fungi injurious to fruit-trees. *Ann. Rept. State Board Hort. California*, 1883. pp. 51-59 (1-8).

General account of diseases of plants caused by fungi, with notices of *Peridermium Harknessii*, *Daudleia vorax*, *Sphaeria morbos*, *Capnodium Citri*, *Phyllosticta circumscissa*, and other fungi.

354. — New species of Californian Fungi. *Bull. Cal. Acad. Sci.* I. 29-47. Feb. 1884.

Descriptions of 4 new genera, *Camposporium*, *Troposporium Theclospora*, *Cleistosoma*, and 71 new species.

355. — Fungi of the Pacific Coast. *Bull. Cal. Acad. Sci.* I. 159-176, pl. I, Feb. 1885; I. e. 256-271 (1-16), 19 Nov. 1885.

Part 1 gives an enumeration of 192 species, with hosts and habitats, and descriptions of 10 new species and 2 new genera, *Dicranidion* and *Geopora*, with plate of *Lycoperdon sculptum*. Part 2 is an enumeration of 171 species, with hosts, localities, and notes, including one new species, *Secotium nubigenum*, followed by a list of 50 species from the Harkness herbarium, previously described in *Grevillea*, XIII. 111-114; and XIV. 8-10. See no. 168. See *Rer. Myc.* VII. 253.

N. B. The paper by this author on "White Mildew," read before the San Francisco Micros. Soc., 5 April, 1877, was not formally published, but distributed privately by the author. In this paper an account is given of pycnidia in *Erysiphe Graminis*. See also reviews of this paper by M. C. Cooke in *Grevillea*, V. 154, and *Gardeners' Chronicle*, 1877, pp. 441 and 634.

— and **Moore, J. P.**

356. Catalogue of the Pacific Coast Fungi. Published under the direction of the California Academy of Sciences. 8°. pp. 46. Read 2 Feb. 1880.

An enumeration of 842 species of fungi from California, with hosts and localities, and 2 from the Sandwich Islands. One new species, *Agaricus tridens*, is described. This Catalogue was issued separately, and did not appear in any volume of the bulletins of the California Academy. Rev. in *Torr. Bull.* VII. 58, and *Rer. Myc.* VII. 253.

**Hayden, Ferdinand Vandeveer.** Westfield, Mass., 7 Sept. 1829.

357. Sixth Annual Report of the United States Geological Survey of the Territories, embracing portions of Montana, Idaho, Wyoming and Utah, being a report of progress of the explorations for the year 1872. 8°. pp. 844. Washington. 1873. Botany by J. M. Coulter. pp. 747-792.

Includes on last page a list of 10 fungi, with descriptions of two new species, *Peziza vulcanalis* and *Sphaeria Coultieri*, by C. H. Peck.

358. **Hedwigia.** Ein notizblatt für kryptogamische studien. Vol. I.-XXV. May, 1852-Jan. 1887. To be continued. 8°. Dresden. Illustr.

Vol. I. extends from 1852-1857, and vol. II. from 1858-1863. Since that date there has been a volume annually. Until Nov. 1878, the editor was L. Rabenhorst, and since then G. Winter. With the exception of the first two volumes the numbers appeared monthly until 1885, when the journal was enlarged and the numbers issued bi-monthly. Includes all orders of cryptogams. Papers on American fungi, which are given here under authors' names, hardly go back farther than 1873.

**Henry, Aimé.** See *NEES VON ESENBECK, T. F. L.*

**Herald, Voyage of.** See *SEEMAN, B.*

**Hesse, R.**

359. Mikroskopische unterscheidungsmerkmale der typischen *Lycoperdaceen* genera. *Pringsheim Jahrb.* X. 383-398. Pl. 28, 29. 1876.

Gives a figure of capillitium of *Mitremyces lutescens*, Schw.

**Hine**, Frank Brooks. Berlin, Erie Co., O., 24 April, 1853.

360. Observations on several forms of *Saprolegnieae*. *Am. Quart. Micros. Jour.* I. 18-28, 136-146 (1-20). Pl. 4-7. Oct. 1878—Jan. 1879.

Mentions 3 species of *Achlya* and one *Saprolegnia*, two species unnamed, and describes a new species, *Monoblepharis tateratii*.

**Hitchcock**, Edward. Deerfield, Mass., 24 May, 1793. †Amherst, Mass., 27 Feb. 1864.

361. Physiology of the *Gyropodium coccineum*. *Am. Jour. Sci. Arts*, IX. 56-60. Pl. 3. June, 1825.

Account of the peculiarities of *Milremyces cinnabarinus*, Schw., with colored figures.

362. — Catalogue of the plants growing without cultivation in the vicinity of Amherst College. 8°. pp. 64. Amherst. 1829.

A list of all plants found within 40 or 50 miles of Amherst, including, on pp. 58-64, 49 genera and 170 species of fungi, the determinations apparently obtained from Prof. John Torrey, and indirectly from Muhlenberg and Schweinitz. The only copy of this rare work which we have examined was without title-page, and the title here given was taken from the reference in Tuckerman's Catalogue of plants within 30 miles of Amherst. See TUCKERMAN, E.

363. — Catalogues of the animals and plants of Massachusetts. 8°. pp. 142. Amherst. 1835.

Taken from "Report on the geology, mineralogy, botany, and zoölogy of Massachusetts." Amherst. 1835, pp. 525-652. On pp. 125-129 (645-649) is a list of fungi, alphabetically arranged, same as in last title, with 6 additional species, all but one of which, *Sphaeria Hypoxylon*, are also given in first edition of the Report, Amherst, 1833.

**Hoffmann**, Hermann.

364. Index Fungorum, sistens icones et specimina sicca nuperis temporibus edita; adjectis synonymis auctore Hermann Hoffmann. Indicis mycologici editio aucta. 8°. pp. vi. 153. Leipsic. 1863.

A general index of figures and exsiccatai of fungi, including American species. This work is an enlarged edition of a pamphlet distributed as a supplement to the *Botanische Zeitung* for 1860.

**Holway**, Edward Willett (Dorland). Adrian, Mich., 13 Feb. 1853. See ELLIS, J. B.

365. Fungi on *Anemone nemorosa*. *Bot. Gaz.* V. 77. July, 1880.

List of 6 species found on this host.

366. — Sound of discharging ascospores. *Bot. Gaz.* VIII. 160. Jan. 1883.

Note on the sound produced by the discharge of spores in *Peziza pubida*.

367. — *Gymnosporium harknessioides*, Ell. and Hol. *Jour. Myc.* II. 52. May, 1886.

This species said to be merely spores of some *Sordaria*, *Chaetomium* or allied fungi.

**Howe**, Elliot Calvin. Jamaica, Windham Co., Vt., 14 Feb. 1828. †/ 1899

368. New Fungi. *Torr. Bull.* V. 3-4, 42, 43, Jan., Oct. 1874; — VI. 30, 31, April, 1875.

Descriptions of 17 species from New York. The parts of this series are numbered 1, 2, and 4. Part 3 appears never to have been published. Species of part 4 also given in *Hedwigia*, XIV. 188.

369. — *Agaricus (Tricholoma) Peckii*, Howe. *Torr. Bull.* VI. 66. Dec. 1875.

Characters of the species.

N. B. The descriptions of *Uncinula Americana* and *U. tucutenta* by this author were not formally published, but were printed on sheets of note paper and distributed among botanists of his acquaintance. *Puccinia Peckiana*, by this author, is in Peck's 23d Report, p. 57.

**Huse**, William W.

370. The diseases of tobacco, or some inquiries into the causes, the appearance, and the preventives of tobacco-mould. 8°. pp. 36. New York. 1857.

Has a few woodcuts of fungi of slight value.

**James**, Joseph Francis. Cincinnati, 8 Feb. 1857.

371. Catalogue of the flowering plants, ferns, and fungi growing in the vicinity of Cincinnati. *Jour. Soc. Nat. Hist. Cincinnati*, II. 42-68 (1-27). April, 1879.

On pp. 22-27, a list of 319 fungi, taken from Lea's Catalogue. See no. 381.

**Johnson**, Asa Emery. Bridgewater, Oneida Co., N. Y., 16 March, 1825.

372. The mycological flora of Minnesota. *Bull. Acad. Nat. Sci. Minnesota*, I. 203-302, 325-344. 1877, 1878.

First part has an enumeration of 559 species, with habitats, descriptions of two new *Agarici*, and of most of the genera, preceded by general notes on *Agaricini*. List of all species but one given also in 5th *Ann. Rept. Geol. and Nat. Hist. Survey, Minnesota*, pp. 66-87. St. Paul. 1877. The second part has enumeration of 83 species, 13 of them described as new.

373. **Journal of Mycology**. Vol. I.-II. 1885, 1886. To be continued. Monthly. 8°. Manhattan, Kansas. Edited by W. A. Kellerman, J. B. Ellis, and B. M. Everhart.

Treats of North American fungi, except a few notices of lichens. Each volume has an index of genera, species, and host plants. Articles given here under authors' names.

**Kalchbrenner**, Károly (Charles). 1806. †Waldendorf, Hungary, 5 June, 1886. See RAV, E. A.

374. *Phalloidei novi vel minus cogniti*. Természettudományok Köréböl. Magyar Tudományos Akad. (Mem. Hungarian Acad.) X. 1-23. Pl. 1-3. Budapest. 1880.

In Hungarian, followed by Latin translation. Includes, on pp. 17, 18, a brief list of North American *Phalloidei*. Reprint only seen

375. — *Gasteromycetes novi vel minus cogniti*. Természettudományok Köréböl. Magyar Tudományos Akad. (Mem. Hungarian Acad.) XIII. 1-10. Pl. 1-5. Budapest. 1883.

Hungarian and Latin. Description of *Phallus togatus*, with colored figure. Pl. 1. See no. 280.

**Kellerman**, William Ashbrook. Ashville, O., 1 May, 1850. See ELLIS, J. B. See JOURNAL OF MYCOLOGY.

376. A partial list of the Kansas parasitic fungi, together with their host-plants. *Bull. Washburn Coll. Lab. Nat. Hist.* I. 72-81, Feb. 1885, and *Trans 16 & 17 Ann. Meetings Kansas Acad. Sci.* IX. 79-86. Topeka. 1885. Read Nov. 1884.

Enumeration of 181 species, and an index of host plants. One species described as new, the other new species described in *Am. Nat.* Nov. 1883, *Torr. Bull.* Oct. 1884, and *Jour. Myc.* Jan. 1885. See notice in *Jour. Myc.* I. 71.

376a. — Some parasitic fungi that infest orchards and gardens. *Rept. Kansas State Hort. Soc. for 1884*, XIV. 111-115. Topeka. 1885.

A popular account of plum blight, peach curl, grape mildew, and strawberry leaf blight.

**Klotzsch**, Johann Friedrich. See BERRELEY, M. J. Wittenberg, 9 June, 1805. †Berlin, 5 Nov. 1860.

377. Mycologische berichtigungen zu der nachgelassenen Sowerbyschen sammlung so wie zu den wenigen im Linnéschen Herbarium vorhandenen pilzen, nebst aufstellung einiger ausländischen gattungen und arten. *Linnæa*, VII. 193-204. Pl. 8-10. 1832.

Includes descriptions of *Furolos Canadensis* and *Testicularia Cyperi*, the latter figured.

378. — Fungi exoticæ collectionibus Britannorum. *Linnæa*, VIII. 478-490. Pl. 11, 12. 1833.

Includes enumeration of 34 species from North America, seven described as new, mostly collected by Sir J. Richardson.

**Koernicke**, Friedrich.

379. Mykologische Beiträge. *Hedwigia*, XV. 178-186. Dec. 1876; — XVI. 1-3, 17-31, 33-40, Jan.—March, 1877.

Includes notes on United States *Uredineae* and *Ustilagineae*, with description of the new genus *Hamaspora*, founded on *Podosoma Ellisii*, Berk.

**Kunze**, Gustav. Leipsic, 4 Oct. 1793. †Leipsic, 30 April, 1851.

— and **Schmidt**, Johann Carl.

380. Mykologische Hefte, nebst einem allgemein-botanischen anzeiger. 8<sup>o</sup>. Vol. I. pp. xvi. 109, and some unnumbered supplementary pages. Pl. 2. Leipsic. 1817. — Vol. II. pp. xii. 176. Pl. 2. Leipsic. 1823.

A collection of short papers by the editors, with three papers by Ehrenberg, Fries, and Nees. Vol. I. 45-52, pl. 2; fig. 22, "Beschreibung der gattung *Solenarium*, Sprengel," by Kunze, gives an account of *S. Muehlenbergii* (*Glonium stellatum*) from Pennsylvania. Other papers do not treat of American fungi, although *Sphaeria sarmentorum* is recorded by Fries on *Menispermum Canadense* on II. p. 52.

**Lea**, Thomas Gibson. Wilmington, Del., 14 Dec. 1785. †Waynesville, O., 30 Sept. 1844. See **BERKELLY**, M. J.

381. Catalogue of plants, native and naturalized, collected in the vicinity of Cincinnati, O., during the years 1834-1844. 8<sup>o</sup>. pp. iv. 77. Philadelphia. 1849.

This catalogue was printed under the direction of Isaac Lea, after the death of his brother, whose collections were placed in the hands of W. S. Sullivan for publication, the fungi having been determined by Rev. M. J. Berkeley. On pp. 48-77 is a list of 319 species of fungi, with localities and dates of collection. In foot-notes are given observations on some of the species, and descriptions of 53 new species by Berkeley, some of which were previously described in "Decades of fungi"; see title no. 31. A few figures also given in Berkeley's Introduction; see title no. 38. Original copies are rare, but a reprint of the notes and descriptions of the present list will be found under the title "Descriptions of new species of fungi, collected in the vicinity of Cincinnati," *Jour. Soc. Nat. Hist.* Cincinnati, V. 197-217 (1-21). Dec. 1882. See also title no. 371. Rev. in *Am. Jour. Sci. Arts*, VIII. new ser. 302. 1849.

**Leggett**, W. H. See **BULLETIN TORREY CLUN.**

**Leidy**, Joseph. Philadelphia, 9 Sept. 1823.

382. On the existence of *Entophyta* in healthy animals as a natural condition. *Proc. Acad. Nat. Sci. Philadelphia*, IV. 225-233. 9 Oct. 1849.

Account of vegetable parasites, pp. 225-229, including descriptions of the new genera *Enterobrus*, *Cladophytum* and *Arthromitus*.

383. — Descriptions of new genera and species of *Entophyta*. *Proc. Acad. Nat. Sci. Philadelphia*, IV. 249, 250. 25 Dec. 1849.

Descriptions of the new genera *Corynoladus* and *Cryptodesmus*, and new species of *Enterobrus* and *Cladophytum*.

384. — *Entophyta* in bodies of animals. *Proc. Acad. Nat. Sci. Philadelphia*, V. 7, 8. 12 Feo. 1850.

Remarks on *Mucor mucero*, *Achlya prolifera*, and some unnamed species found in insects and cray-fish.

385. — Entophytes in insects and myriapods. *Proc. Acad. Nat. Sci. Philadelphia*, V. 8, 9. 19 Feb. 1850.

Remarks on species of *Enterobrus*, etc.

386. — Descriptions of new *Entophyta* growing within animals. *Proc. Acad. Nat. Sci. Philadelphia*, V. 35, 36. 30 April, 1850.

Description of one species of *Arthromitus* and two of a new genus, *Eccrina*.

387. — Fungus in a dead mole-cricket. *Proc. Acad. Nat. Sci. Philadelphia*, V. 204, 210, 211. 20 May—3 June, 1851.

Notes on an unnamed fungus attacking *Grylloblatta Americana*, and general remarks on parasitic diseases of insects.

388. — Fungi in insects. *Proc. Acad. Nat. Sci. Philadelphia*, V. 235. 1 July, 1851.

Notes on a fungus in the abdomen of *Cicada septemdecim*, and one on a lamellicorn larva.

389. — A flora and fauna within living animals. *Smithsonian Contrib. to Knowledge*, V. 1-67. Pl. 1-10. April, 1853.

A detailed account, pp. 17-40, of forms mentioned in papers whose titles are given above, with plates. Most of the species would be placed at the present day in *Schizomycetes*. Also on pp. 51-53, accounts of other fungi, including that which attacks *Cicada septemdecim*.

390. — Fungus parasite on a mouse. *Proc. Acad. Nat. Sci. Philadelphia*, pp. 260, 261. 22 April, 1873.

Describes a *Torula* or *Oidium* on a mouse caught in a hospital. Note also by Dr. Le Conte, who attributed a cutaneous eruption on his own person to infection from a similarly diseased mouse.

391. — On a fungus in a flamingo. *Proc. Acad. Nat. Sci. Philadelphia*, pp. 11, 12. Fig. 1. 19 Jan. 1875.

Finds an *Aspergillus*, which may be *A. nigrescens*, in lungs of a flamingo which was probably killed by the fungus.

392. — Ant infected with a fungus. *Proc. Acad. Nat. Sci. Philadelphia*, p. 9. 1 Jan. 1884.

Note on an undescribed fungus attacking *Camponotus Pennsylvanicus*.

**Lesquereux**, Leo. Neuchâtel, 18 Nov. 1805.

393. *Les Rhizomorpha du nouveau monde*. *Rer. Myc.* III. 74. July, 1881.

Note on *R. subcorticalis* and malformed *Agaricini* from mines.

**Léveillé**, Joseph Henri. Crux-la-Ville, 28 May, 1796. †Paris, 3 Feb. 1870.

394. Champignons exotiques. *Ann. Sci. Nat. Bot.* 3 ser. II. 167-221; III. 38-71. 1844, 1845.

Contains notices of 6 species from North America.

395. — Descriptions des champignons de l'herbier du Muséum de Paris. *Ann. Sci. Nat. Bot.* 3 ser. V. 111-167, 249-304. 1846.

Notes on 14 species of North America, of which 7 are described as new.

**Link**, Heinrich Friedrich. Hildesheim, 2 Feb. 1767. †Berlin, 1 Jan. 1851.

396. *Caroli a Linné Species Plantarum exhibentes plantas rite cognitas ad genera relatas eum differentiis specificis, nominibus trivialibus, synonymis selectis, locis natalibus secundum systema sexuale digestas. Editio quarta, post Reichenbadianam quinta adjectis vegetabilibus hueusque cognitis olim eurante Carolo Ludovico Willdenow, continuata a H. F. Link. Tomus, VI. Part 1. 8<sup>o</sup>. pp. xv. 162. Berlin. 1824. — Part 2. pp. vi. 128. Berlin. 1825.*

The second part of vol. VI. contains *Gymnomycetes* (*Uredineae*, etc.), including species from Schweinitz, revised by Link.

**Linnaeus**, Carolus. See **LINK**, H. F. See **SPRENGEL**, C.

**Macbride**, James.

397. Some account of the *Lycoperdon solidum* of the Flora Virginica, the *Lycoperdon cervinum* of Walter. *Trans. Linn. Soc.* XII. 368-371. 1818. Read 3 June, 1817.

General account of tuckahoe.

**Macoun**, John. Maralin, Co. Down, Ireland, 17 April, 1832.

398. Edible and poisonous fungi. *Trans. Field-Naturalists' Club*, Ottawa, II. 62-67. Read 31 Jan. 1884.

A general address on the subject before the Society, with exhibition of plates.

**Macoun, John.**

399. List of plants collected on the coasts of Labrador, Hudson's Strait and Bay, by Robert Bell, in 1884. *Report of Progress of Geol. and Nat. Hist. Survey and Museum of Canada for 1882-1884*. Appendix DD. pp. 38-47. Montreal. 1885.

Includes on p. 47 a list of 10 fungi, named by J. B. Ellis.

400. **Manual** of the natural history, geology, and physics of Greenland and the neighboring regions; prepared for the use of the Arctic Expedition of 1875, under the direction of the Arctic Committee of the Royal Society, and edited by Prof. T. Rupert Jones, F.R.S., F.G.S., &c., together with instructions suggested by the Arctic Committee of the Royal Society for the use of the expedition. 8°. London. 1875. pp. 1-86 and 1-782.

The first part of this work contains general directions for collecting and observing. The second part, pp. 1-600, gives a summary of papers on Arctic plants and animals, with lists of species. For references to fungi in this work, see BERKELEY, M. J., BOXORDEN, H. F., FUCKEL, L., and SMITH, W. G.

**Martin, George.** Claymont, Delaware Co., Pa., 29 April, 1827. †West Chester, Pa., 28 Oct. 1886. See ELLIS, J. B.

401. Synopsis of the North American species of *Asterina*, *Dimerosporium*, and *Meliola*. *Jour. Myc.* I. 133-139, 144-148. Nov., Dec. 1885.

Descriptions of 31 *Asterinae*, with host index, 6 *Dimerosporia*, and 7 *Meliolae*.

402. — The *Phyllostictas* of North America. *Jour. Myc.* II. 13-20, 25-27. Feb., March, 1886.

Descriptions and notes on 70 species, with list of host-plants.

**Martin, Lillie J.**

403. A botanical study of the mite gall found on the black walnut. *Am. Nat.* XIX. 136-140. Pl. 4-6. Feb. 1885.

The *Erineum anomalum* of Schweinitz shown to be an insect-gall. Abstract given in *Proc. Am. Ass. Adv. Sci.* XXXIII. 507, 508.

**Massachusetts, Province Laws of.**

404. An Act to prevent damage to English grain arising from Barberry Bushes. Province laws of Massachusetts, 1736-1761, pp. 153, 154. Anno Regini Regis Georgii II., Vicesimo Octavo, Chap. X. Published 13 Jan. 1755.

Text of an act requiring the cutting down of barberry bushes in order to prevent the rust in grain. See *Am. Jour. Sci. Arts.* XXV. 3 ser. 315, 316, April, 1883.

**Meehan, Thomas.** Potter's Bar, near Barnet, Hertfordshire, England, 21 March, 1826.

405. Note on a fungoid root parasite. *Proc. Acad. Nat. Sci.* Philadelphia, p. 414. 2 Dec. 1873.

States that the Norway spruce suffers from some mycelium which attacks the roots.

406. — Change of habit through fungoid agency. *Proc. Acad. Nat. Sci.* Philadelphia, p. 146. 22 Sept. 1874.

Notes the change in habit of *Euphorbiae* attacked by an *Aecidium*.

407. — Influence of nutrition on form. *Proc. Acad. Nat. Sci.* Philadelphia, p. 329. 20 July, 1875.

Notes change in habit of *Portulaca* attacked by a fungus.

408. — Fungi and fruit diseases: are they cause or concomitant? *Am. Pomol. Soc.*, Session 1875, pp. 51-54.

Notes of several diseases caused by fungi. States that he has seen *Roestelia cancellata* on apples.

409. — Note on *Phallus foetidus*. *Proc. Acad. Nat. Sci.* Philadelphia, pp. 194, 195. 3 Oct. 1876.

Reports this species at Germantown, Pa.

410. — Formation of crow's-nest branches in the cherry tree. *Proc. Acad. Nat. Sci.* Philadelphia. p. 273. 1 June, 1886.

Notes the occurrence of *Exoascus Wiesneri* on escaped cherry trees, near Germantown, Pa.

**Merrill, F. J. H.** See *BULLETIN TORREY CLUB*.

411. **Michelia**, commentarium mycologiae italicae, enrante P. A. Saccardo. 8°. Vol. I. pp. 619. June, 1877—Sept. 1879. — Vol. II. pp. 682. 25 April, 1880—1 Dec. 1882. Padua.

Published at irregular intervals. Devoted exclusively to fungi. Two volumes have appeared up to present date. Includes some notices of United States fungi. See SACCARDO, P. A.

**Mitchell, Samuel L.**

412. Views of the process in nature by which, under particular circumstances, vegetables grow on the bodies of living animals. *Am. Jour. Sci. Arts.* XII. 21-28. June, 1827.

A letter to A. P. De Candolle, containing remarks on fungi which attack insects, with notes on forms known to the writer in the United States, especially that on *Melolontha*.

**Montagne, (Jean François) Camille.** Vaudoy, France, 15 Feb. 1784. †Paris, 5 Jan. 1866. See BERKELEY, M. J.

413. Troisième centurie de plantes cellulaires exotiques nouvelles. Décades 5-8. *Ann. Sci. Nat. Bot.* 2 ser. XVIII. 241-282. 1842.

Has descriptions of *Polyporus Sullivantii* and *Clavaria albipes* from Ohio.

414. — Quatrième centurie ditto. Décades 8-10. *Ann. Sci. Nat. Bot.* 2 ser. XX. 352-379. Pl. 15, 16. 1843.

Includes descriptions of 4 new species from the United States.

415. — Sixième centurie ditto. Décades 8-10. *Ann. Sci. Nat. Bot.* 3 ser. XII. 285-320. 1849.

Has emendation of the genus *Lichenopsis*, Schw., and notes on *Scorias spongiosa* and *Sphaeria lycopodina* from Newfoundland.

416. Huitième centurie ditto. Décades 6-7. *Ann. Sci. Nat. Bot.* 4 ser. VIII. 285-310. 1857. — Décades 9, 10, 1. c. XII. 167-192. 1859.

First part has notice of *Graphium Berkeleyi* from the United States. The second, *Sphaeria Desprauxii* from Newfoundland.

417. — Neuvième centurie ditto. Décades 1, 2. *Ann. Sci. Nat. Bot.* 4 ser. XIV. 167-185. Pl. 10, 11. 1860.

Includes description of *Agaricus Tagetes*, Berk. and Mont., from Ohio.

418. — Sylloge generum specierumque cryptogamarum quas in variis operibus descriptas iconibusque illustratas, nunc ad diagnosim reducetas, nonnullasque novas interjectas, ordine systematico dispositas J. F. Cam. Montagne, M.D. 8°. pp. 498. Paris. 1856.

Besides a summary of species, including American, described by Montagne in various places, there are descriptions of 62 new species and 2 new varieties from the United States, 17 of them ascribed to Berkeley and Montagne. The greater part of the species collected in Ohio by W. S. Sullivant, who sent figures and specimens to Montagne.

**Moore, Justin Payson.** Augusta, Me., 1841. See HARKNESS, W. H. See PHILLIPS, W.

**Morgan, Andrew Price.** Centreville, near Dayton, O., 27 Oct. 1836. See CRAGIN, F. W.

419. The study of fungi. *Bot. Gaz.* II. 104, 105. May, 1877.

Urges the study and gives some statistics of United States fungi.

419a. — Flora of the Miami Valley, Ohio. 12°. pp. 68. Dayton. 1878.

On pp. 59, 60 is a list of 37 species of fungi. The last 8 pages are entitled supplement for 1878, and include 42 additional species of fungi on pp. 67, 68.

**Morgan**, Andrew Price.  
420. *Agaricus Morgani*, Peck. *Bot. Gaz.* IV. 208, 209. Sept. 1879.

Additional notes on this species.

421. — A new *Polyporus*. *Bot. Gaz.* VII. 135, 136. Nov. 1882.

Description of *Polyporus reniformis* from Ohio.

422. — Kentucky fungi. *Bot. Gaz.* VIII. 156, 157. Jan. 1883.

Enumeration of 27 species, all but one, *Hymenomycetes*, with critical notes on several of them.

423. — The North American Geasters. *Am. Nat.* XVIII. 963-970. Oct. 1884.

Descriptions of 16 species, with figures. See also *Jour. Myc.* 1. 41-43.

424. — The mycologic flora of the Miami Valley, O. *Jour. Soc. Nat. Hist.* Cincinnati, VI. 54-81, pl. 2-5, April, 1883; 97-117, July, 1883; 173-199, pl. 8, 9, Oct. 1883; — VII. 5-10, pl. 1, April, 1884; — VIII. 91-111, pl. 1, July, 1885; 168-174, Oct. 1885; — IX. 1-8, April, 1886.

Contains full descriptions of the *Agaricini* and *Polyporei* of the region, with critical notes and colored figures of some species. Twelve species are described as new. The last four pages of reprint of the fourth part of this series do not quite correspond to pages of the original.

**Morgan**, L. V.

425. Discharging ascospores. *Bot. Gaz.* VIII. 246. June, 1883.

Notes the sound in discharge of spores of *Peziza coccinea*.

**Mueller**, Karl. See SCHLECHTENDAL, D. F. L.

**Muhlenberg**, Henry (Gothilf Heinrich Ernst). 1756. †Lancaster, Pa., 24 June, 1817. See TULLY, W.

426. Index Florae Lancastriensis. *Trans. Am. Phil. Soc.* Philadelphia, III. 157-184. 1793.

Includes an enumeration of 8 genera and 25 species of fungi on p. 184.

427. — Supplementum Indicis Florae Lancastriensis. *Trans. Am. Phil. Soc.* Philadelphia, IV. 235-242. 1799.

Includes an enumeration of 109 fungi, in the determination of which the author apparently followed to a great extent the works of Batsch and Schaeffer.

428. — Catalogus Plantarum Americae Septentrionalis, hoc usque cognitarum indigenarum et eicurum; or a catalogue of the hitherto known native and naturalized plants of North America, arranged according to the sexual system of Linnaeus. 8<sup>o</sup>. pp. 112. Lancaster, Pa. 1813. 2d edition, 1818.

A bare list, pp. 103-106, of 201 fungi, belonging to 52 genera, arranged according to Persoon's Synopsis. Authorities not quoted. The 2d edition has 1 *Azyoma*, 8 *Tremellae*, and 23 *Characieae* in addition to the above. The preface of 1st edition states that the Catalogue was written in 1809, printing begun in Nov. 1812, and finished in July, 1813, and that nearly all the cryptogams were collected in Pennsylvania. In the preparation of the 2d edition the author was apparently aided by Schweinitz. For brief references to fungi collected by Muhlenberg, see FRIES, E., KUNZE, G., and SPRENGEL, C. See no. 618.

**Murray**, Dennis. See SPRAGUE, C. J.

**Naturalist**. See AMERICAN.

**Nees von Esenbeck**, Christian Gottfried. Reichenberg, near Erbach, 14 Feb. 1776. †Breslau, 16 March, 1858.

429. Das system der pilze und schwämme. Ein versuch. 4<sup>o</sup>. pp. 331. Pl. 41. Fig. 366. Würzburg. 1816.

Includes figures taken from Bosc's Mémoire. Copies of this work usually have 331 pages, the index being paged incorrectly, and the date of issue being 1816 and 1817 on different title-pages. Some copies have additional pages, numbered 1-86, containing descriptions of the figures. The title states that there are 46 plates, but there are only 44 plates, with 366 figures, besides an illuminated title-page and a few charts. Not to be confounded with next title.

**Nees von Esenbeck**, Theodor Friedrich Ludwig. Reichenberg, 29 July, 1787. †Hyères, 12 Dec. 1837.

And **Henry**, A., and **Bail**, Th.

430. Das system der pilze. Durch beschreibungen und abbildungen erläutert. 8<sup>o</sup>. Part 1. pp. vi. 74. Pl. 1-12. Bonn. 1837. — Part 2. pp. iv. 110. Pl. 13-38. Bonn. 1838.

Descriptions of genera of fungi, with illustrations taken from various sources, including Bosc's Mémoire and Schweinitz's Syn. Fung. Car. The first part by Nees and Henry; the second by Nees, Henry, and Bail.

**Nuttall**, Thomas. Settle, Yorkshire, England, 1786. †Preston, Lancashire, England, 10 Sept. 1859.

431. Collections towards a flora of the Territory of Arkansas. *Trans. Am. Phil. Soc.* Philadelphia, V. new ser. 139-203. 1837. Read 4 April, 1834.

Has on p. 139 names of 3 species of *Fuligo* and 3 species of *Trichia* from Arkansas.

**Olney**, Stephen Thayer. Burrillville, R. I., 15 Feb. 1812. †Providence, 27 July, 1878.

432. Rhode Island plants, or additions and emendations to the catalogue of plants published by the Providence Franklin Society in March, 1845. *Proc. Franklin Soc.* Providence, I. 1-24. April, 1846.

Mentions *Rhizomorpha fragilis*, var. *compressa*, on p. 24.

**Palmer**, Julius Auboineau. Boston, 1 March, 1840.

433. Toadstool-eating. *Pop. Sci. Month.* XI. 93-100. May, 1877.

Popular article without botanical interest.

433<sup>a</sup>. — Empoisonnement par les champignons. *Moniteur Scientifique*, IX. 3 ser. 99-102. Feb. 1879.

General account of the action of poisonous fungi, especially *Amanitae*.

For papers by this author on the toxicological action of fungi, see the following: "Poisonous Mushrooms," *Medical and Surgical Journal*, Boston, 6 Nov. 1879, and 20 Sept. 1883; "Toadstool poisoning," I. c. 28 Aug. 1879; "Mushroom or Toadstool Poisoning," *Medical and Surgical Reporter*, Philadelphia, 20 Sept. 1879; also article on "Mushrooms and Toadstools" in the *Annual Cyclopaedia*, D. Appleton & Co., New York. 1886.

434. — Mushrooms of America, edible and poisonous. Boston. 1885.

A series of charts, issued also in smaller form, of which there have already appeared twelve colored plates, representing 29 species, with 4 pages of general directions. With each plate is a short description of the species and directions for cooking. Rev. in *Jour. Myc.* 1. 107, and *Science*, VI. 277.

**Pammel**, Louis Herman. La Crosse, Wis., 19 April, 1862.

434<sup>a</sup>. Apple scab and leaf blight. *Prairie Farmer*. 14 Nov. 1885.

434<sup>b</sup>. — Smut on Timothy-grass. *Prairie Farmer*. 31 July, 1886.

Summary of paper by Trelease, no. 609, with figures.

**Parker**, E. H.

435. Fungus-eating. *Proc. Soc. Nat. Sci.* Poughkeepsie, I. 70-84. 1 Nov. 1875.

General notes on the subject, followed by a list of 47 edible species found near Poughkeepsie.

**Parker**, George Howard. Philadelphia, 23 Dec. 1864.

436. On the morphology of *Rarenzia glanduliformis*. *Proc. Am. Acad. Arts and Sci.* Boston, XXII. 205-219. Pl. 1, 2. Sept. 1886.

Account of the formation of the spores in this species, with notes on the spores of several other species of the genus, including notice of *R. Indica* on *Acacia* from Mexico.

**Parry**, Charles Christopher. Gloucestershire, England, 28 August, 1823.

437. Botanical Observations in Western Wyoming, with notices of rare plants and descriptions of new species collected on the route of the Northwestern Wyoming Expedition under Capt. W. A. Jones. 8°. pp. 25. Salem, Mass. 1874. *Extr. Am. Nat.* VIII. 9-14, 102-108, 175-180, 211-215. 1874.

Has on the last page descriptions of *Aecidium Psoraleae* and *Aec. Parryi*, by C. H. Peck.

**Peck**, Charles Horton. Sandlake, Rensselaer Co., N. Y., 30 March, 1833. See COOKE, M. C. See CRAGIN, F. W. See DAY, D. F. See HAYDEN, F. V. See PARRY, C. C. See PORTER, T. C. See TUCKERMAN, E.

N. B. The reports of the botanist here given form parts of general reports made to the Regents by the Curator of the State Museum. The report for each year is transmitted to the Legislature and afterwards published. The reports of the botanist include plants of all orders, although the greater portion relates to fungi. With exceptions noted below, the reports are all arranged on the following plan: An introduction, giving statistics of species mentioned, followed by general remarks not quoted here, except in cases where fungi are specially noted; a list of species of which specimens have been mounted, not quoted here; a list of plants collected, pages where fungi are named given here; a list of specimens obtained by contribution and exchange, not given here; a list of species growing spontaneously in the State, and not previously reported, with localities, habitats, and descriptions of new species, fungi given here; new stations of rare plants, remarkable varieties and observations, not given here, except in a few cases of special interest; followed in some reports by special reports, synopses of difficult genera, etc., given here. The separate copies of the reports distributed by the botanist have the original paging.

438. — Twenty-second annual report of the Regents of the University of the State of New York, on the condition of the State Cabinet of Natural History and the historical and antiquarian collection annexed thereto. Albany. 1869. D. Report of the Botanist. pp. 25-106.

Fungi collected, pp. 39, 40; not before reported, pp. 76-101; 173 species; and list of 33 edible fungi, p. 51. This report for 1868 was issued in 1869.

439. — Twenty-third Report ditto for 1869, issued 1872. pp. 27-135. Pl. 1-6.

Fungi collected, pp. 39-42; fungi on summit of Mt. Marcy, 2 species, p. 44; list of 15 edible fungi, p. 49; not before reported, pp. 52-65; 67 new species. Synopsis of New York *Agaricini*, pp. 66-127. Synopsis of New York *Boleti*, pp. 127-133. Descriptions of new *Agarici* of this report repeated in *Grevillea*, I. 2-4, 17-19; and *Helwigia*, XI. 148-151. List of edible fungi given in *Grevillea*, I. 15.

440. — Twenty-fourth Report ditto for 1870, issued 1872. pp. 41-108. Pl. 1-4.

Fungi collected, pp. 49-52; edible fungi, 12 species, p. 52; not before reported, pp. 59-100; 90 new species, 2 new genera. Key to New York *Clavariae* and *Aecidia*, pp. 104-107. Host-list of *Aecidia*, p. 108.

441. — Twenty-fifth Report ditto for 1871, issued Sept. 1873. pp. 57-123. Pl. 1, 2.

Fungi collected, pp. 63-65; not before reported, pp. 72-106; 98 new species, one new genus. Synopsis of New York *Pucciniae*, pp. 110-123; spores figured on pl. 2.

442. — Twenty-sixth Report ditto for 1872, issued April, 1874. pp. 35-91.

Fungi collected, pp. 43-45; not before reported, pp. 49-87; 111 new species which had appeared previously in "Descriptions of new species of fungi" in *Bull. Soc. Nat. Sci. Buffalo*, I. 41-72. See no. 458.

443. — Twenty-seventh Report ditto for 1873, issued 1875. pp. 73-116. Pl. 1, 2.

Introduction has notes on the edible qualities of *Agaricus naucinus* and *Coprinus micaceus*, on diseases of spruces, *Peridermium devolorans*, *Uredo luminata*, and directions for collecting fungi. Fungi collected, pp. 83-85; not before reported, pp. 92-111; 45 new species; key to New York *Ustilagines*, p. 115.

444. — Twenty-eighth Report ditto for 1874, issued 1876. pp. 31-88. Pl. 1, 2.

Fungi collected, pp. 40-42; not before reported, pp. 48-82; 83 new species, 1 new genus.

445. — Twenty-ninth Report ditto for 1875, issued 1878. pp. 29-82. Pl. 1, 2.

Fungi collected, pp. 34, 35; not before reported, pp. 38-63, 78 new species. Also, pp. 63-65, descriptions of 12 species previously reported without descriptions; pp. 66-71 notes on 19 other species, one described as new; and pp. 71-82, list of parasitic fungi of New York and their hosts, including *Uredineae*, *Coniothyces*, *Perisporiaceae*, etc. Rev. in *Bot. Gaz.* IV. 125, 126, under title "Fungoid friends and foes"; and *Rev. Myc.* I. 92, 93.

446. — Thirtieth Report ditto for 1876, issued Sept. 1878. pp. 23-78. Pl. 1, 2.

Fungi collected, pp. 28, 29; not before reported, pp. 37-67, 82 new species; remarks and observations, pp. 70-77, including synonymy of species of *Lenzites* and supplement to list of parasitic fungi in 29th Report. See *Rev. Myc.* I. 92-93.

447. — Thirty-first Report ditto for 1877, issued 1879. pp. 19-60.

Introduction has notes on a fungus attacking *Cicada septendecim*, *Sphaeropsis Malorum* on apples, and several fungi on *Abies balsamea*. Fungi collected, pp. 26, 27; not before reported, pp. 31-51; 66 new species, new genera *Hilleria* and *Massospora*; observations on fungi, pp. 54-60 including list of New York *Myxomycetes*, arranged according to Rostafinski, and keys to *Heterlae* and *Xylariae* of New York. Rev. in *Torr. Bull.* VI. 363, and *Rev. Myc.* II. 48, 49.

448. — Thirty-second Report ditto for 1878.

This report was transmitted to the Legislature, but was never published except as a public document. A small number of copies, however, were printed in 1886, but without the plates which accompanied the report. The copies, which are very rare, have pp. 17-72, with descriptions of 80 new species, 23 *Agaricini*, 16 *Discomycetes*, 9 *Pyrenomyces*, and 32 others, keys to New York species of *Paxilli*, *Craterelli*, and the *Dipetes* tribe of *Lactarii* (see 38th Report), and an account of New York species of *Lycoperdon*, and a description of a new genus, *Glomerularia*. Most of these have since been published in other places.

449. — Thirty-third Report ditto for 1879, issued Oct. 1883. pp. 11-49. Pl. 1, 2.

Fungi collected, pp. 14, 15; not before reported, pp. 18-34; 70 new species, one new genus; synopsis of New York *Amanitae*, pp. 38-49. Rev. in *Rev. Myc.* VI. 58, 59.

450. — Thirty-fourth Report ditto for 1880, issued Oct. 1883. pp. 24-58. Pl. 1-4.

Introduction has a popular account of fungi on maize, *Ramularia Fragariae*, *Mucor inaequalis*, *Fusciellum dendriticum*, *Oidium fructigenum*, *Sphaeropsis Malorum*, etc. Fungi collected, pp. 39, 40; not before reported, pp. 42-53; 39 new species, critical notes on fungi, pp. 57, 58. Rev. in *Rev. Myc.* VI. 59.

451. — Thirty-fifth Report ditto for 1881, issued 1885. pp. 125-164.

Fungi collected, p. 129; not before reported, pp. 131-145; 41 new species, 2 by C. C. Frost, one new genus; synopsis of New York *Lepiotae*, pp. 150-164. Rev. in *Rev. Myc.* VII. 254.

452. — Thirty-sixth Report ditto for 1882, issued 1885. pp. 29-49.

Synopsis of New York *Psalliotae*, 41-49. See *Rev. Myc.* VII. 254.

453. — Thirty-seventh Report ditto for 1883.

This report was transmitted to the Legislature, but never published. pp. 63-68 were struck off, but the body of the report is nowhere in print. According to the table of contents, p. 65, the report contained a monograph of New York *Paxilli*, *Cantharelli*, and *Craterelli*, and an arrangement of New York *Pyrenomyces* on Saccardo's system.

454. — Thirty-eighth Report ditto for 1884, issued 1885. pp. 77-138. Pl. 1-3.

Fungi not before reported, pp. 83-106; 62 new species, one new genus; synopsis of New York *Lactarii*, pp. 111-133; synopsis New York *Plutei*, pp. 133-138. Rev. in *Rev. Myc.* VIII. 120.

455. — Fungi. *Trans. Albany Inst.* VI. 209-226. 1870. Read 15 Feb. 1870.

General notice of fungi, their uses and the harm done by them, with an account of some American works on fungi and brief notes on the black knot.

**Peck**, Charles Horton.

456. Report of the second class in the second department. Botany. *Trans. Albany Inst.* VII. 35-43, 186-204. 1872. Read 17 Jan. 1871, and 6 Feb. 1872. — VIII. 152-166. 1876. Read 18 March. 1873.

Notices of recent works on botany. Second part has also an account of *Arachnion pusillum* and an extended account of the black knot, *Sphaeria morbosus*. See *Jour. Quickett. Micros. Club*, III. 82. Third part has also notes on *Eccobasidium* and other fungi from New York.

457. — Synopsis of New York *Uncinulace*. *Trans. Albany Inst.* VII. 213-217 (1-7), with plate. 1872. Read 20 Feb. 1872.

Descriptions of 7 species, 5 new, one by Gerard, with a note on 2 species of E. C. Howe. Rev. in *Ger.* I. 62.

458. — Descriptions of new species of fungi. *Bull. Soc. Nat. Sci. Buffalo*, I. 41-72. July, 1873.

Characters of 96 *Hymenomycetes*, 11 *Gasteromycetes* and *Myxomycetes*, 18 *Coniomycetes*, 6 *Hypomyces*, and 11 *Ascomycetes*. Also in 26th Report. See above.

459. — Fern Fungus. *Torr. Bull.* IV. 41. Sept. 1873.

Note on *Dothidea Pteridis*.

460. — Two new fungi from New Jersey. *Torr. Bull.* V. 2, 3. Jan. 1874.

Description of *Protomyces Martindalei* and *Roestelia transformans*.

461. — New fungi from New Jersey. *Torr. Bull.* VI. 13, 14. Feb. 1875.

Description of 4 species collected by J. B. Ellis.

462. — The Black Spruce. *Trans. Albany Inst.* VIII. 283-301. 1876. Read 4 May, 1875.

Includes observations on *Peridermium decolorans* on *Abies nigra*.

463. — Two new fungi. *Torr. Bull.* VI. 77. Feb. 1876.

Description of *Lycoperdon Warnei*, Illinois, and *Septoria Bessyae*, Iowa.

464. — A new fungus from Pennsylvania. *Torr. Bull.* VI. 135, 136. Feb. 1877.

Description of *Pestalozzia Stevensonii*.

465. — Colorado Fungi. *Bot. Gaz.* III. 31, 35. April, 1878.

Descriptions of 11 species collected by T. S. Brandegee.

466. — United States species of *Lycoperdon*. *Trans. Albany Inst.* IX. 285-318 (1-34). 1879. Read 4 Feb. 1879.

Full descriptions of 23 species. Rev. in *Torr. Bull.* VI. 307; *Bot. Gaz.* IV. 175; *Rev. Myc.* I. 133.

467. — New species of fungi. *Bot. Gaz.* IV. 126-128, 137-139, 169-171, 216-219, 230, 231. Feb., March, June, Oct., Nov. 1879. — V. 33-36. March, 1880. — VI. 226-228, 239-241, 274-277. June, July, Oct. 1881. — VII. 43-45, 54-57. April, May, 1882.

Descriptions of 105 species of different orders from various parts of the country, especially the Western States and Territories. See same title below.

468. — Plants of the summit of Mt. Marcy. *Adirondack Survey*. Verplanck Colvin, Supt. 7th Report. Albany. 1880. *Botany*, pp. 401-412.

List of 7 fungi on p. 405.

469. — *Polyporus volvatus*, Pk., and its varieties. *Torr. Bull.* VII. 102-105. Fig. 3. Oct. 1880.

Gives characters of the typical form and 3 varieties.

470. — Two new species of fungi. *Torr. Bull.* VIII. 49-51. Pl. 7. May, 1881.

Description and figures of *Ascomycetella quercina*, and description of *Polyporus lactiflans*. See notice in *Rev. Myc.* IV. 65, 66, with copies of figures on pl. 25.

471. — Fungi in wrong genera. *Torr. Bull.* IX. 1-4. Pl. 9. Jan. 1882.

Describes the genus *Physalacria*, founded on *Mitrlula inflata*, Schw., and *Secotium Warnei*.

472. — New species of fungi. *Torr. Bull.* IX. 61, 62. Pl. 24. May, 1882. — X. 73-75. Pl. 35. July, 1883. — XI. 26-28, 49, 50. March, May, 1884. — XII. 33-36. Pl. 49. April, 1885.

First part describes and figures the genera *Physarella* and *Caliciopsis*. Part 2 gives 11 species, with plate of *Boletus Morgani*. Part 3 has 9 species, with new genus, *Myriodorus*. Part 4, 9 species, principally *Uredineae* from Utah, Washington Terr. and Ohio. Part 5, principally *Uredineae*; 11 species from Arizona and New Mexico.

473. — An imperfectly described *Phalloid*. *Torr. Bull.* IX. 123, 124. Pl. 25. Oct. 1882.

Notes on the structure of *Phallus Ravenelii*, B. and C.

474. — A new Fern Rust. *Torr. Bull.* X. 62. June, 1883.

Description of *Caeoma Cheilanthis* from Arizona.

475. — A new genus of Sphaeriaceous Fungi. *Torr. Bull.* X. 127, 128. Dec. 1883.

Describes the genus *Neopeckia* of Saecardo, and gives details of *N. Coulteri*.

476. — Edible Puff-balls. *Country Gentleman*. 1885. p. 901. Albany.

Notes on the edible properties of puff-balls, especially *Lycoperdon giganteum*, *L. cyathiforme*, and *L. caelatum*.

477. — The smooth Agaric (*Ag. naucinoides*, Pk.). *Country Gentleman*. 1886. p. 833. Albany.

Account of edible properties of *Ag. naucinoides*, and comparison of that species with *Ag. phalloides*, with figures of both.

N. B. Besides the above, there is a considerable number of notes on fungi by this author in the *Country Gentleman*, mostly answers to correspondents about species sent for determination.

**Penhallow**, David Pearce. Kittery Point, Me., 25 May, 1854.

478. Yellows in peach trees. *Trans. Mass. Hort. Soc.* 1882, 124-130. Fig. 6. Boston. 1882.

Includes on pp. 129, 130, notes on fungi found in diseased trees, *Bispora monitioides*, *Pleospora herbarum*, *Mucorosporium sarcinula*, and *Ascomyces deformans*.

479. — Peach yellows. *Rept. Houghton Farm Experiment Station*, 3 ser. no. 2, pp. 25-42, Pl. 4, 1882. New York (1883).

An account of the disease, including some notes on fungi, pp. 34-35, none of which is considered by the author to be the true cause of the disease. The subject is continued in an appendix, l. c. ser. 3, no. 3, pp. 53-64, 1883, which, however, does not include notes on fungi.

480. — Diseases of plants. *Pop. Sci. Month.* XXV. 385-396. July, 1884.

Refers incidentally to the action of fungi in disease.

481. — Plants in their relation to disease. *Rept. Kansas State Hort. Soc.* for 1884, XIV. 125-133. Topeka. 1885. Also in *Trans. Am. Hort. Soc.* III. 167.

Subject treated mainly from a chemical standpoint, without reference to special fungi.

N. B. The following papers by this author do not include specific notices of fungi, but relate to histological and physiological matters: "Notes on some of the structural and physiological peculiarities incident to the diseases of fruits." *Proc. Am. Ass. Adv. Sci.* XXXI. 519-521. "Peach yellows," *Country Gentleman*, XLVIII. 700. 30 August, 1883.

**Person**, Christian Hendrik. Capetown, 1755.

†Paris, 17 Feb. 1837. See DESVAUX, N. A.

482. Mémoire sur les Vesse-loups ou *Lycoperdon*. *Desvau's Journal de Botanique*, II. 1-31. Pl. 1, 2. Paris. 1809.

*Scleroderma calostoma* (*Mitremyces cinnabarinus*) described and figured.

**Persoon**, Christian Hendrik.

483. Observations de M. Persoon et création du nouveau genre *Gyrocephalus*. *Mém. Soc. Linn. Paris*, III. 75-78. 1825.

The *Tremella stipitata* of Bosc referred to *G. Carolinensis*, P.

The "Synopsis methodica fungorum" of this author forms the basis of classification of the earlier American catalogues of fungi, as those of Muhlenberg and Torrey, but the work itself has no special American references.

**Phillips**, William. Presteign, Radnorshire, Wales, 4 May, 1822.

484. *Discomyctes* from California. *Grev. V.* 35, 36. Sept. 1876.

Names and habitats of 22 species collected by H. W. Harkness.

485. — Fungi of California and the Sierra Nevada Mountains. *Grev. V.* 113-118. Pl. 87-89. March, 1877.

Notices of 66 species collected by H. W. Harkness and J. P. Moore, 14 described as new. See *Rev. Myc. I.* 29.

486. — Fungi of California. *Grev. VII.* 20-23. Sept. 1878.

Notices of 50 species collected by H. W. Harkness and J. P. Moore, 10 *Discomyctes* described as new.

487. — On a new species of *Helvella*. *Trans. Linn. Soc. I.* 2 ser. 423. Pl. 48. 1880. Read 5 June, 1879.

Description and plate of *Helvella Californica*. Reprint not paged. See also *Jour. Bot.* 2 ser. VIII. 287.

488. — A revision of the genus *Vibrissa*. *Trans. Linn. Soc. II.* 2 ser. 1-10. Pl. 1, 2. Read 20 Jan. 1881. Issued Dec. 1881.

Includes descriptions of 3 American species, 1 new, *V. turbinata*, with 2 figures. Species given in *Hedwigia*, XXII. 23.

— and **Harkness**, H. W.

489. Fungi of California. *Bull. Cal. Acad. Sci. I.* 21-25 (1-5). Feb. 1884.

Descriptions of 20 new species and 1 new variety of *Discomyctes* collected in 1882.

490. — *Discomyctes* of California. *Grev. XIII.* 22, 23. Sept. 1884.

Descriptions of 10 new species from California, and *Phacidium nigrum*, Cooke, from Georgia.

**Phippen**, George Dean. Salem, Mass., 13 April, 1815.

491. Report on the onion disease. *Proc. Essex Inst.* Salem, Mass. II. 211-215. 1862. Read 10 July, 1857.

Includes notes on a disease apparently caused by *Urocystis Cepulae*.

**Pirotta**, Romualdo. Pavia, 7 Feb. 1853.

492. I funghi parassiti dei vitigni. 8°. pp. 96. Pl. 4. Milan. 1877. *Extr. Arch. Trienn. Lab. Bot. Critt. Paria*, II. 129-225. Pl. 10-13. Milan. 1879.

An account, with full descriptions, of all fungi which attack species of *Vitis*, including 37 species of the United States. Rev. in *Grevillea*, VI. 147-150. See no. 133.

**Planchon**, J. E.

492a. Les vignes Américaines, leur culture, leur résistance au Phylloxera et leur avenir en Europe. 8°. pp. 240. Montpellier and Paris. 1875.

Has on p. 20 brief reference to *Peronospora viticola*; on p. 24 to *Erysiphe mors-urae* and *E. necatrix*; and on p. 54 a notice of grape-rot.

**Plowright**, Charles Bagge. King's Lynn, England, 3 April, 1849.

493. Some remarks upon *Sphaeria (Gibbera) morbosa*, Schw. *Month. Micros. Jour. XIII.* 209, 210. London. May, 1875.

Notes on the conidia and ascospores of this species, with review of papers on the black knot by C. H. Peck and Thomas Taylor.

494. — *Californian Fungi*. *Grev. V.* 74. Dec. 1876.

Notices of 24 species collected by H. W. Harkness, two described as new.

495. — *Californian Sphaeriae*. *Grev. VII.* 71-74. Dec. 1878.

Notices of 39 species of *Pyrenomyctes* collected by H. W. Harkness and J. P. Moore, 10 described as new. For encyclopedias of this paper, see *Grev. VIII.* 73.

— and **Harkness**, H. W.

496. New species of Californian fungi. *Bull. Cal. Acad. Sci. I.* 26 (6). Feb. 1884.

Description of 2 new *Nectriæ*.

**Pluknet**, Leonard. 1642. †London. 1706.

497. *Phytographia sive stirpium illustriorum et minus cognitarum icones, tabulis aeneis summa diligentia elaboratae; quarum unaquaque titulis descriptoriis ex notis suis propriis et characteristicis desumptis insignita; ab aliis ejusdem sortis facile discriminatur*. 4°. London. Part 1, preface, pl. 1-72, 1691. Part 2, pl. 73-113; appendix, pl. 114-117; appendix altera, pl. 118-120, 1691. Part 3, pl. 121-239; appendix, pl. 240-250, 1692. Part 4, pl. 251-328, 1696.

A collection of uncolored figures, with brief Latin descriptions at the foot of each plate. See next title.

498. — *Almagestum botanicum sive Phytographiae Pluknetianae onomasticon methodo synthetica digestum, exhibens stirpium exoticarum, rariorarum, novarumque nomina, quae descriptionis locum supplere possunt*. 4°. pp. 402. London. 1696.

Descriptions of plants, including those figured in the *Phytographia*, alphabetically arranged. In the *Phytographia*, pl. 116, fig. 7, and pl. 184, figs. 4-10, represent fungi from Virginia, and the descriptions are also given in the *Almagestum*, pp. 162-164. Pl. 116, fig. 7, is evidently a *Pilobolus*. Pl. 184, fig. 4, may be a *Culocera*. Fig. 5 is apparently *Mitremyces*; fig. 6, perhaps *Cynophallus caninus*; fig. 7 is unrecognizable; fig. 8, apparently *Lycoperdon cyathiforme*; fig. 9 is a *Cyathus*, and fig. 10 probably *Hericium Hystrix*.

**Porcher**, Francis Peyre. St. John's, Berkley, S. C., 14 Dec. 1825.

499. On the medicinal and toxicological properties of the cryptogamic plants of the United States. *Trans. Am. Med. Ass.* VII. 167-284. 8°. 1854.

Contains on pp. 211-284 a general account of the properties of fungi, followed by a list of species, with their properties, compiled from various sources.

500. — The medicinal, poisonous, and dietary properties of the cryptogamic plants of the United States. 8°. pp. 126. New York. 1854.

Reprint of last paper, with index.

501. — Resources of the Southern fields and forests, medical, economical, and agricultural. Being also a medical botany of the Confederate States; with practical information on the useful properties of the trees, plants, and shrubs. 8°. pp. 601. Charleston, 1863.

An account of the edible mushroom and its culture, and notes on tuckahoe given on pp. 594-599.

502. — A reference handbook of the medical sciences, embracing the entire range of scientific and practical medicine and allied science. 4°. New York. Wm. Wood & Co.

In the 3d volume of this work, 1886, is an article, by F. P. Porcher, on "Fungi edible and poisonous," pp. 264-284, figs. 1355-1376, pl. 12, 13. A general treatise on edible and poisonous species, with illustrations taken from different sources, especially Payer and Valmy, followed by a descriptive list of species found in the United States, including a letter from H. W. Ravenel, 266-267, and numerous extracts from an unpublished paper of M. A. Curtis on edible fungi. Plate 12 has 15 colored figures of edible species, by C. I. Curtis, not previously published; and pl. 13, 6 figures of poisonous species taken from Cordier and J. A. Palmer. At the end of the article is a list of edible or useful species taken from Curtis's Catalogue Plants North Carolina, q. v.

**Porter**, Thomas Conrad. Alexandria, Huntingdon Co., Penn., 22 Jan. 1822.

— and **Coulter**, J. M.

503. Synopsis of the flora of Colorado. *Misc. Publ.* no. 4, *Dept. Interior, U. S. Geol. and Geog. Survey of the Territories*. F. V. Hayden, U. S. Geologist, in charge. 8°. pp. 180. Washington, 1874.

On pp. 163, 164, is an account of 8 fungi by C. H. Peck, two of them described as new.

**Prentiss**, Albert Nelson. Cazenovia, N. Y., 22 May, 1836.

503a. Puff-balls and their kindred. *Cornell Era*, IV. 179-181. 8 Dec. 1871.

A popular account of fungi, with description of a large specimen of *Lycoperdon giganteum*.

503b. — Destruction of obnoxious insects by means of fungoid growths. *Am. Nat.* XIV. 575-581, 630-635. Aug., Sept. 1880.

Report on a number of experiments with regard to the action of yeast in destroying insects, from which the author concludes that yeast has very little value as a means for destroying insects. Substance of this paper also given in *Am. Entomol. and Bot.* III. 269.

**Prillieux**, Edouard Ernest. Paris, 11 Jan. 1829.

504. Quelques mots sur le rot des vignes Américaines et l'anthraenose des vignes françaises. *Bull. Soc. Bot. France*, XXVII. 34-38. 13 Feb. 1880.

Includes notes on *Phoma uvicola*, considered by the author to be distinct from the fungus of anthraenose. The paper is followed by remarks of Dr. M. Cornu, whose views are different from those of the author.

505. — Cause du rot des raisins en Amérique. *Comptes rendus*, XCV. 605. 2 Oct. 1882.

Notes on *Peronospora viticola* in America, and on the trouble caused by a species of *Phoma*.

**Provancher**, L. (Abbé). See THUEMEN, F. von.

**Rabenhorst**, (Gottlieb) Ludwig. Treuenbrietzen, 22 March, 1806. †Meissen, 24 April, 1881. See HEDWIGIA. See EXSICCATA in supplement. See WINTER, G.

**Rafinesque-Schmaltz**, Constantine Samuel Galata, near Constantinople, 22 Oct. 1783. †Philadelphia, 1840. See GERARD, W. R.

506. Précis des découvertes et travaux somologiques de Mr. C. S. Rafinesque-Schmaltz entre 1800 et 1814, ou choix raisonné de ses principales découvertes en zoologie et en botanique pour servir d'introduction à ses ouvrages futurs. 12°. pp. 65. Palermo. 1814.

On pp. 49-52 are descriptions of 18 species of fungi and five new genera from the United States, principally Delaware and New Jersey.

507. — *Florula Ludoviciana*; or, a flora of the State of Louisiana. Translated, revised, and improved from the French of C. C. Robin, by C. S. Rafinesque. 8°. pp. 178. New York. 1817.

On p. 12 is a notice of 7 fungi taken ostensibly from work of C. C. Robin, see no. 532, one of them called a new species, *Morellia otorata*.

508. — *Prodrome des nouveaux genres de plantes observés en 1817 et 1818 dans l'intérieur des Etats-Unis d'Amérique*. *Isis*, 1820, part 1, 236-244.

Has on p. 213 descriptions of three new genera of fungi, *Rinetta*, *Endoconia*, and *Gemmularia*, from the United States.

509. — *Medical Flora, or manual of the medical botany of the United States of North America*, containing a selection of above 100 figures and descriptions of medical plants, with their names, qualities, properties, history, etc., and notes or remarks on nearly 500 equivalent

substitutes. 8°. Philadelphia. Vol. I. pp. 268 pl. 52. 1828. — Vol. II. pp. 276, pl. 48. 1830.

In volume II. references to *Agaricus*, *Amanita*, *Boletus*, etc., of no value.

**Rau**, Eugene Abraham. Bethlehem, Pa., 22 July, 1848.

510. A new *Phallus*. *Bot. Gaz.* VIII. 223, 224. Pl. 4. May, 1883.

Account of a species found at Bethlehem, Pa., with a description in Latin of *Phallus togatus* by Kalchbrenner. See nos. 280 and 375.

**Ravaz**, L. See VIALA, P.

**Ravenel**, Henry William. St. John's Parish, Berkley Co., S. C., 19 May, 1814. See BERKELEY, M. J. See COOKE, M. C. See PORCHER, F. P. See THUEMEN VON F. See EXSICCATA in supplement.

511. — Contributions to the cryptogamic botany of South Carolina. *Med. Jour. and Rev.* Charleston, IV. 428-433. July, 1849. — V. 324-327. May, 1850. — VI. 190-199. March, 1851.

Part 1 has mosses and hepaticas, part 2 lichens, and part 3 fungi. A list of 169 *Hymenomycetes*, with habitats and notes in some cases on edible qualities. In a foot note is an account of the fairy rings of *Agaricus Achimenes*, B. and C.

512. — Report on the fungi of Texas. *Rept. Commissioner Agr. on diseases of Cattle in United States*. 4°. pp. 171-174. Washington. 1871.

General account of fungi collected in Texas, with statistics of fungi of that region.

513. — A list of the more common native and naturalized plants of South Carolina. In *South Carolina. Resources and Population, Institutions and Industries*. Published by the State Board of Agriculture of South Carolina. 8°. pp. 312-359. Charleston. 1883.

On pp. 353-356 is a list of 35 species of fungi, of which the popular and scientific names are given, but no descriptions.

N. B. A paper on "Edible Mushrooms of this country" was read by this author before the Aiken Vine-Growing and Hort. Ass. about the year 1862-3, and was printed in the newspapers of Charleston. The paper gave a popular account of the mode of identifying common edible mushrooms, *Agaricus campestris*, *A. amygdalinus*, and some others.

**Ray**, John. Black Notley, Eng., 29 Nov. 1628. †17 Jan. 1705.

513a. *Historia Plantarum*, etc. f°. Vol. I.-III. London. 1686-1704.

Title here given in an abbreviated form. The only references to United States fungi in this work are the species collected by J. Banister in Virginia in 1680, which were previously described and figured by Plukenet, q. v. The *Pilobolus* mentioned in title 498 is first given by Ray in vol. II. 1626, and is the only fungus in the list of species collected by Banister. The other fungi of Banister are in the third volume of Ray, pp. 20, 25.

**Rees**, Max.

514. Die rostpilzformen der deutschen Coniferen zusammengestellt und beschrieben von Dr. Max Rees. 4°. pp. 70. Pl. 2. Halle. 1869. Extr. *Abhandl. Naturf. Gesells.* Halle, XI. 49-118. Pl. 1, 2. 1870.

Has a note on *Gymnosporangium macropus*.

**Rehm**, Heinrich. Ederheim near Nördlingen, Bavaria, 20 Oct. 1828. See EXSICCATA in supplement.

515. Note on *Peziza calycina*, Schum. *Grev.* IV. 169. June, 1876.

Includes a description of a new species, *Peziza Ellisiana*, sent from New Jersey by J. B. Ellis. See no. 118.

516. — Bemerkungen über (einige) Ascomyceten. *Hedwigia*, XVIII. 113-115, Aug. 1879; 161-169, Nov. 1879. — XXI. 130-139, Sept. 1882; 145-148, Oct. 1882.

Part 1 has no American references. Part 2, p. 168, has a note on *Didymosphaeria grumata* from New Jersey. Part 3 has notes on 19 American species, most of them from Ellis's North American Fungi. Part 4, p. 146, has a note on *Valaria cincta*, also from Ellis.

**Rehm**, Heinrich.

517. Revision der *Hysterineen* im herb. Duby. *Hedwigia*, XXV. 137-155, 173-202 (1-48). Aug.—Oct. 1886.

Includes notes on North American *Hysteriaceae* with a review of species described in work here numbered 201.

518. — *Ascomyceten*. In getrockneten exemplaren herausgegeben von Dr. Med. Rehm. Fasc. 1-11. 26th *Bericht Naturhistor. Vereins*, Augsburg. 1881. pp. 1-132.

This number of the *Berichte* gives diagnoses of new species and critical notes on others found in the first eleven fasciculi of the collection of dried *Ascomyctetes* issued by the author. For an account of this collection and list of American species which it contains, see *SUPPLEMENT*. Descriptions of new species of first 11 fasciculi are repeated in *Hedwigia*, XXI. 35-48 and 55-64. Notes on species in later fasciculi are given in *Hedwigia* as follows: Fasc. 12, vol. XX. 33-42, 49-54; — fasc. 13, XXI. 65-75, 81-86; — fasc. 14, XXII. 33-41, 52-61; — fasc. 15, XXIII. 49-57, 69-77; — fasc. 16, XXIV. 7-17, 66-72; — fasc. 17, XXIV. 225-246.

519. **Revue Mycologique**, recueil trimestriel illustré consacré à l'étude des champignons. 8°. Vol. I.-VIII. Jan. 1879—Jan. 1887. To be continued. Toulouse. Edited by C. Roumégère.

Includes papers on lichens as well as fungi. Papers on North American fungi given here under authors' names. Reviews by the editor. In vol. III. the numbers are paged independently.

**Rex**, George A. Chestnut Hill, near Philadelphia, 28 April, 1845.

† 520. *Syphoptychium Casparyi*, Rostfk. *Bot. Gaz.* IX. 176. Oct. 1884.

Notes the discovery of this species in New York State.

† 521. — The banded-spore Trichias. *Jour. Myc.* II. 85-87. Aug. 1886.

Notes on the distribution of *Trichia chrysosperma*, *T. affinis*, and *T. Jackii*, and allied forms, in the United States.

**Rich**, C. W. L.

522. Large Fungi. *Am. Nat.* XVIII. 68-69. Jan. 1884.

Reports finding a *Hydnus septentrionale* weighing twelve pounds.

**Rich**, Oliver O.

523. A Synopsis of the genera of American plants according to the latest improvements of the Linnaean System. 8°. pp. 167. Georgetown, D. C. 1814.

Describes, pp. 141-144, 17 genera of fungi.

**Richardson**, (Sir) John. Dumfries, Scotland, 1787. † Grasniere, England, 5 June, 1865.

523a. Botanical appendix to Capt. Franklin's narrative of a journey to the shores of the Polar Sea. 4°. pp. 40. Pl. 4. London. 1823.

On p. 35 is a list of 19 fungi.

**Riley**, Charles Valentine. London, England, 12 Sept. 1843.

† 524. The periodical *Cicada*. *Rept. State Entomologist, Missouri*, I. 18-42. Jefferson City. 1869.

On p. 26 remarks on the enemies of the *Cicada*, with note by Dr. W. D. Hartman on a greenish powdery fungus found in this *Cicada*.

† 525. — The white grub. *Rept. State Entomologist, Missouri*, I. 156-159. Fig. 88-89. Jefferson City. 1869.

On p. 158, fig. 89, are notes and a figure of a *Cordyceps* on the larva of the May-beetle.

† 526. — Fungus on wild plums. *Am. Entom. and Bot.* II. 308. Fig. 190. Sept. 1870.

Figure of a distortion of shoots of *Prunus Americana* from Mississippi, supposed to be caused by a fungus.

† 527. — The unadorned *Tiphia*, or white grub parasite, *Tiphia inornata*, Say. *Rept. State*

*Entomologist, Missouri*, VI. 123-126. Fig. 34, 35. Jefferson City. 1874.

Account of a *Cordyceps* which grows on this insect, with figure, which is also given in *Scientific American*, 25 May, 1875.

† 528. — The white grub fungus. *Am. Entomologist*, III. 137-140. Fig. 53-55. June, 1880.

Account and figures of *Torrubia Rarenelii*, B. and C., with summary of previous writings on the subject. See also *RURAL WORLD*, 12 June, 1875, for account of same fungus there called *T. elongata*.

† 529. — Reports of experiments, chiefly with kerosene, upon insects injuriously affecting the orange tree and the cotton plant, made under the direction of the Entomologist. *U. S. Dept. Agr. Division of Entomology, Bulletin No. 1.* 8°. pp. 62. Washington. 1883.

On p. 25 is a notice of a fungoid growth on *Parlatoria* and *Mytilaspis* in a report made by Joseph Voyle.

† 530. — Reports of observations on the Rocky Mountain locust and the chinch bug, together with extracts from the correspondence of the Division on miscellaneous insects. *U. S. Dept. Agr. Division of Entomology, Bull. 2.* 8°. pp. 36. Washington. 1883.

On p. 30, a notice of *Scorias spongiosa* on honey dew.

531. — The mildews of the grape vine. An effectual remedy for *Peronospora*. *Rural New Yorker*, XLV. 72, 87. 30 Jan.—6 Feb. 1886.

Accounts of *Uncinula spiralis* and *Peronospora viticola* and the means of destroying them. Issued separately on a folio sheet.

Other papers by this author, in which fungi are noticed without reference to special American species, are "Wheat rust and barberry rust," *Am. Entom. and Bot.* II. 162; and "Fungus foes," I. c. III. 297.

**Robin**, Charles (Philippe). Jasseron, France, 4 June, 1821.

531a. *Histoire naturelle des végétaux parasites qui croissent sur l'homme et sur les animaux vivants*. 8°. pp. 702. Atlas. Pl. 15. Paris. 1853.

Includes references to Schweinitz's species of *Isaria*, and species described by Leidy.

**Robin**, Claude C.

532. *Voyages dans l'intérieur de la Louisiane, de la Floride Occidentale, et dans les Isles de la Martinique et de Saint-Domingue pendant les années 1802, 1803, 1804, 1805 et 1806. Suivis de la Flore Louisianaise*. 8°. Vol. I.-III. Paris. 1807.

The Flore Louisianaise in vol. III. pp. 311-525, forms the basis of Rafinesque's *Florula Ludoviciana*, q. v. Some rather vague references to fungi on pp. 325-328.

**Rose**, Joseph Nelson. Dunlapsville, Union Co., Ind., 11 Jan. 1862.

† 533. Mildews of Indiana. *Bot. Gaz.* XI. 60-63. March, 1886.

Enumeration of 12 species of *Perisporiaceae*, with hosts, localities, and notes.

**Rostafinski**, Joseph Thomas. Warsaw, 14 Aug. 1850.

533a. *Śluzowce (Mycetozoa). Monografia*. 4°. pp. 432. Pl. 13. Fig. 1-242. Paris. 1875. Supplement I. pp. 42. Fig. 243-246. 1876.

A work comprising descriptions of all known species of this order, including notes and revisions of American species. The figures of the first 12 plates are reproduced in the "Myxomycetes of Great Britain," by M. C. Cooke, London, 1877, a work which gives also translations of Rostafinski's descriptions of British species. See also title no. 124 and 447.

**Roumégère**, Casimir. Toulouse, 15 Aug. 1828. See *REVUE MYCOLOGIQUE*. See *EXSICCATI* in supplement.

**Russell**, John Lewis. Salem, Mass., 2 Dec. 1808. †Salem, 7 June, 1873.

534. Contributions to the cryptogamic flora of Essex County. *Proc. Essex Inst.* Salem, Mass., I. 191-194. 1856.

Notes on *Dothidea (Asteroma) pomigena*, *Phragmotrichum Chaillietii*, and *Sphaeromema subtile*.

535. — The smaller fungi. *Am. Nat.* II. 561-570, fig. 2; 623-638, fig. 5. Jan., Feb. 1869.

General account of moulds, blights, etc., with figures, being a review of "Rust, Smut, Mildew, and Mould," by M. C. Cooke. See also article by this author on Mushrooms, a review of Cooke's "Plain and Easy Account of British Fungi," in *Am. Nat.* II. 292-303. Also "Potato Mould," *Am. Nat.* II. 463-466. These papers do not contain special American references, and state only general facts.

**Saccardo**, Pietro Andrea. Treviso, 23 April, 1845. See *Michelia*.

536. — Fungi Italici autographice delineati. 4°. Fig. 1500. With index. Padua. May, 1877 — May, 1886.

Issued in 38 fasciculi, with an index of species in last fasciculus. The following are the numbers of plates representing United States species: 683, 684, 686, 687, 777, 781, 789, 792, 817, 849, 866, 932, 959, 1117, 1358, 1362, 1409, 1440.

537. — Enumeratio *Pyrenomyctum Hypocreaceorum* hucusque cognitorum sistematico carpologico dispository. *Michelia*, I. 277-325. July, 1878.

Includes notes on 58 species of the United States.

538. — Conspectus generum fungorum Italiae inferiorum nempe ad *Sphaeropsideas*, *Melanconieas* et *Hyphomyceteas* pertinentium sistematico sporologico dispository. *Michelia*, II. 1-38. April, 1880.

Includes descriptions of *Pyriicularia* and *Ellisiella*, new American genera.

539. — Fungorum Extra-Europaeorum pugillus. *Michelia*, II. 136-149. April, 1880.

Notes on 44 North American species, 21 described as new.

540. — Fungi Veneti novi vel critici. Series 3. *Hedwigia*, XIV. 68-76, May, 1875; and *Michelia*, I. 446-452, Nov. 1878. — Series 11. *Michelia*, II. 154-176, April, 1880.

Series 3 has note on *Massaria epileuca*, B. and C. Series 11 has a note on *Uredo Aspidiotus*, Peck.

541. — Fungi Gallici. Series 2. *Michelia*, II. 39-135, April, 1880. — Series 4, I. c. 583-648, Dec. 1882.

First part has a note on *Uromyces Euphorbiae*, C. and P., on p. 45. The second part has in addenda a description of *Grumularia eurotioides* from New Jersey.

542. — Fungi aliquot Extra-Europaei. *Michelia*, II. 372-377. March, 1881.

Notices of 22 species from the United States, 6 described as new, collected mostly by J. B. Ellis in New Jersey. Rev. in *Rev. Myc.* III. April, 1881.

543. — Fungi Boreali-Americani. *Michelia*, II. 561-582. Dec. 1882.

Notes on 102 species, 53 described as new, 5 new genera from the United States, collected principally by J. B. Ellis. Most of the species ascribed to Saccardo and Ellis.

544. — Genera *Pyrenomyctum* schematice delineata a P. A. Saccardo. Illustratio adcommodata ad usum Sylloges Pyrenomyctum ejusdem auctoris. 8°. pp. 6. Pl. I-11. Padua. Nov. 1883.

A series of figures illustrating the genera of the first two volumes of Saccardo's Sylloge. Rev. in *Am. Nat.* XVIII. 1883.

545. — Conspectus generum *Discomyctum* hucusque cognitorum. *Bot. Centralblatt*, XVIII. 213-220, 217-256 (1-16). 1884.

Includes descriptions of North American genera. See *Am. Nat.* XVIII. 723.

546. Miseillanea mycologica. *Att. Real. Istit. Veneto*. II. (6 ser.) 435-463 (1-29). 1884.

Includes descriptions of one new genus and 3 new species from the United States, two of which are credited to Saccardo and Winter. See next number.

— and **Berlese**, A. N.

547. Miseillanea mycologica. *Att. Real. Istit. Venet.* III. (6 ser.) 711-742 (1-32). Pl. 8-11. 1885.

Includes enumeration of 19 species from the United States, 9 species and 2 genera described as new. Figures of 5 species. See also *Jour. Myc.* I. 95 and 105. See last number.

— and **Berlese**, A. N., and **Voglino**, P.

548. Sylloge Fungorum omnium hucusque cognitorum. 8°. Vol. I.-IV. Padua. 1882-1886. To be continued.

Vol. I. Prefatio v.-viii. *Bibliotheca Mycologica*, ix.-xix. *Sylloge Pyrenomyctum*, pp. 768. 13 June, 1882.

Vol. II. *Sylloge Pyrenomyctum*, pp. 815; Addenda, vol. I, i.-iv.; Addenda, vol. II. lvi.-lxix; Index, species, and genera of vol. I. and II. pp. 77. 13 June, 1883.

Vol. III. *Sylloge Sphaeropsidearum et Melanconiearum*, pp. 860. 15 Dec. 1884.

Vol. IV. *Sylloge Hyphomycetum*, pp. 807. 10 April, 1886.

Additamenta ad volumina I.-IV. curantibus A. N. **BERLESE** et P. **VOGLINO**. pp. 484. 31 Dec. 1886. To be continued.

A work including descriptions of all known species of the orders named above. For reviews of American species in this work, see COOKE, M. C. Also reviews in *Am. Nat.* and *Jour. Myc.* and *Hedwigia*, XXIV. 97.

**Salmon**, D. E.

549. The nature, chemical composition, and action of ergot. *U. S. Dept. Agr. First Ann. Rept. Bureau Animal Industry for 1884*. pp. 195-203.

Included in a report on "Enzootics of Ergotism" is a chapter with title here given, which has a botanical account of ergot, with a plate giving the gross appearance of the fungi, and a plate, taken from Tulasne, of the microscopic structure.

**Saunders**, William.

550. Cultural Remarks. *Rept. U. S. Dept. Agr. for 1883*. pp. 182-196. Washington. 1883.

Has some remarks on the conditions which affect diseases of grapes.

**Schlechtendal**, von, Diedrich Franz Leonard. Xanten, duchy of Cleves, 27 Nov. 1794. †Halle, 12 Oct. 1866.

551. Eine neue *Phalloidee*, nebst bemerkungen über die ganze familie derselben. *Linnaea*, XXXI. 101-194. Pl. 1. 1860.

Includes observations on *Phallus duplicatus*, Bosc, and some other species which have been said by some writers to occur in the United States.

— and **Mueller**, K.

552. *Mitremyces Junghuhnii*, eine neue art, beschrieben und abgebildet von v. Schlechtendal und K. Müller. *Bot. Zeit.* II. 401-404. Pl. 3, B. 7 June, 1844.

Includes notes on *Mitremyces lutescens* of the United States.

**Schmidt**, Johann Carl. Bernstadt, Oberlausitz, 6 April, 1793. †Berne, 2 Dec. 1850. See **KUNZE**, G.

**Schrenk**, Joseph.

553. Notes on Tuckahoe. *Torr. Bull.* XI. 1-5. Pl. 43. Jan. 1884.

Gives histological and chemical structure of tuckahoe, with consideration of the mycelium found in this substance.

**Schroeter**, Julius.

554. Ueber einige amerikanische *Uredineen*. *Hedwigia*, XIV. 161-172, 177-182. Nov., Dec. 1875.

Proposes a new genus, *Uropyxis*, founded on *Puccinia Amorphiae*, B. and C., and gives notes on synonymy and distribution of 35 other species.

**Schulzer von Müggenburg**, Stephan. 555. Berichtigung. *Hedwigia*, XXII. 43. March, 1883.

Has a note on *Secotium Warnei*, Peck, which author considers to be the same as *S. acuminatum*, Tul.

**Schwaegrichen**, Christian Friedrich. Leipsic, Sept, 1775. †Leipsic, 2 May, 1853. See SCHWEINITZ, L. D.

**Schweinitz**, de Lewis David. Bethlehem, Pa., 13 Feb. 1780. †Bethlehem, 8 Feb. 1834. See BERKELEY, M. J., and CURTIS, M. A. See CURRY, F. See DUBY, J. E. See FRIES, E. See STEVENSON, W. C.

556. — Description of a number of new American species of *Sphaeriae*. *Jour. Acad. Nat. Sci. Philadelphia*, V. 3-16. Pl. 1, 2. 15 Feb. 1825.

Describes 3 new species of *Cordyceps*, 2 of *Hyporyton*, 2 of *Poronia*, and 9 other *Sphaeriaceae*, with figures of 11 species. This paper is repeated in substance, without figures, in *Linnæa, Litteratur-Bericht für 1829*, pp. 44-48. Species also included in next paper. See also COOKE, M. C., title no. 159.

557. — Synopsis fungorum Carolinae Superioris secundum observationes Ludovici Davidis de Schweinitz. Edita a D. F. Schwaegrichen. *Schriften der Naturforschenden Gesellschaft*. Leipsic. 4°. I. 20-131 (1-105). Pl. 1, 2. 1822.

The first paper of importance on fungi written by an American; 1873 species are enumerated, many of them described as new, and a few new genera. No index either to the original or the separate edition. See also next title. For early review of this work, see FLORA, VI. part 2, pp. 65-84, 1823.

558. — Synopsis fungorum in America Boreali media degentium. Secundum observationes Ludovici Davidis de Schweinitz. Communicated to the American Philosophical Society, Philadelphia, 15 April, 1831. 4°. *Trans. Am. Phil. Soc. (n. s.)* IV. 141-316. Pl. 19. 1834.

A revision and extension of last-named paper, including 3098 species, principally from Pennsylvania and Carolina, many of them new, and several new genera. The index gives the species alphabetically, not including those previously given in *Fung. Car. Sup.*, without references to pages. For commentaries on this paper, see BERKELEY and CURTIS, COOKE, M. C., *Grev. XIII*. 37-40.

**Scribner**, Frank Lamson (changed from Franklin Pierce Lamson), Salem, Mass., 19 April, 1851. † 559. Fungous diseases of plants. *Rept. U. S. Dept. Agr. for 1885*. pp. 76-87. Washington. 1886.

Includes account of corn smut, *Roestelia* on apples, grape moulds, several diseases caused by *Perisporiaceae* and *Peronosporaceae*, and honey-dew. Pl. 17 of this report, which accompanies the present paper, belongs to a paper by Pearson, which was printed in *Special Bulletin No. 2*, Botanical Division, issued Jan. 1887.

† 560. — Botanical characters of the Black Rot. *Physalospora Bidwellii*, Sacc. *Bot. Gaz.* XI. 297-302. Pl. 9. Nov. 1886.

An account of the structure and development of *Phoma uricola*, with references to *Sphaeria Bidwellii*, Ellis, and review of paper on the subject by Viala and Rayaz.

561. — Black Rot. — *Physalospora Bidwellii* (Ell.) Sacc. *Proc. Seventh Ann. Meeting Soc. Prom. Agr. Sci. Buffalo*, 1886. pp. 82-88. Columbus, O. Nov. 1886. Also *Colman's Rural World*. 30 Dec. 1886.

The substance of last-named paper, with notes on remedies and on *Gloeosporium ampelophagum*.

† 562. — Notes on the orange-leaf scab. *Torr. Bull.* XIII. 181-183. Oct. 1886.

Account of the disease, with a consideration of the remedies. Has a reference to *Fusarium sarcochroum*, Desm., found on the leaves. This paper was read at the Botanical Club of the Am. Ass. Adv. Sci. Buffalo, Aug. 1886, and an abstract is given in *Bot. Gaz.* XI, 246, Sept. 1886.

**Seaman**, William Henry. New York City, 1 Nov. 1837.

563. Edible fungi. *Field and Forest*, I. 71. Jan. 1876.

Gives a list of 27 species eaten in Washington.

N. B. The paper by this author, "Description of a new fungus on the leaves of the pear tree," *Blitstema tridens*, Zabriskie, *Morthiera Mespili*, Fuckel var., was read at the 25th meeting Am. Ass. Adv. Sci. Buffalo, Aug. 1876, but was not published.

563a. — Some remarks on fungi considered as insecticides. *Am. Entomologist*, III. 40, 41. Feb. 1880.

**Sedgwick**, William Thompson. West Hartford, Ct., 29 Dec. 1855.

564. On fermentation. Lectures delivered to the employés of the Baltimore & Ohio R. R. 8°. pp. 51-73. Fig. 1-10. Baltimore. 1882.

A popular lecture on the growth and action of yeasts and bacteria.

— and **Duggan**, J. R.

564a. Pleomorphism in *Penicillium*. *Johns Hopkins University Circulars*, II. no. 21. p. 50. Feb. 1883.

A preliminary communication giving an account of the change in habit undergone by *Penicillium* when growing submerged in a saccharine fluid.

**Seeman**, Berthold. Hanover, 28 Feb. 1825. †Javali, Nicaragua, 10 Oct. 1871.

565. The botany of the voyage of H. M. S. *Herald*, under the command of Captain Henry Kellett, R.N., C.B., during the year 1845-51. Edited by Berthold Seeman. 4°. pp. 483. Pl. 100. London. 1852-1857.

On p. 49 *Dothidea betulina*, forma *nana*, is recorded in Western Esquimaux Land.

**Senex**. (Pseudonym.)

565a. Essay on smut in wheat. *Massachusetts Agricultural Repository and Journal*, V. 134-150. 1818.

General remarks of no interest except for the date when written.

**Seymour**, Arthur Bliss. Moline, Ill., 3 Jan. 1859.

† 566. *Puccinia heterospora*, B. and C. *Bot. Gaz.* VIII. 357, 358. Dec. 1883.

The *Puccinia Thwaitesii* of Winter stated to be the same as *P. heterospora*, B. and C., to which species *Uromyces pulcherrimus*, B. and C., is also referred.

566a. — Curl leaf in peach trees. *Country Gentleman*. 25 June, 1885.

Account of *Exoascus deformans*, with figure.

† 567. — Distribution of *Puccinia heterospora*. *Jour. Myc.* I. 94. July, 1885.

Gives 11 additional hosts for this species from the Gray herbarium.

567a. — The apple tree rust. *New England Homestead*. 5 June, 1886; with 4 figures.

A popular account of *Gymnosporangium macropus* and *Aecidium pyratum*, Schw., with figures.

568. — A Palm disease. *Am. Florist.* 1 Sept. 1886; with 3 figures.

A popular account of *Graphiola Phoenicis*.

568a. — Some fungus diseases of small fruits. *Rept. State Hort. Soc. Minnesota*, for 1886, XIV. 213-221 (1-8). Fig. 1-6.

Accounts of the orange rust of blackberries, with figure, taken from Burrill, *Fusisporium Rubi*, with figure, from Earle, *Septoria Ribis*, and some other diseases of raspberries and blackberries.

**Seynes, de Jules**. Lyons, France, 16 Jan. 1833.

569. Recherches pour servir à l'histoire naturelle des végétaux inférieurs. I. *Des Fistulines*. 4°. pp. v. 71. Pl. 7.

Includes descriptions and figures of *F. spathulata*, B. and C., and *F. pallida*, B. and R., besides general account of *Fistulinaceae*.

**Seynes, de Jules.**

✓ 570. On *Agaricus ascophorus*, Peck. *Grev.* III. 169, 170. June, 1875.

Description of the cystidia and basidiospores in this species, followed by some observations of Berkeley on the same species taken from *Gard. Chron.* of 17 April, 1875.

**Shecut, John Louis Edward William.**

571. *Flora Carolinensis*; or a historical, medical, and economical display of the vegetable kingdom, according to the Linnaean or sexual system of botany. 8<sup>o</sup>. pp. 579. Charleston. 1806.

The plants are arranged alphabetically, and some genera of fungi are given, with accounts of some of the species. The work appears to be a compilation of no value at the present day. The second volume was never published.

**Smith, Worthington George.**

572. *Florula Discoana*: Contributions to the phyto-geography of Greenland, within the parallels of 68° and 70° north latitude. By Dr. Robert Brown. *Trans. Bot. Soc. Edinburgh*, IX. 430-465 (1-37). 1867-68.

Has a list of 6 species, determined by W. G. Smith. Repeated in *Arctic Manual*, part 2, p. 283.

**Sommers, John.** St. John's, Newfoundland, 29 March, 1843.

573. Nova Scotian fungi. *Trans. Nova Scotia Inst. Sci.* V. 188-192, 247-253, 332-333. Halifax. 1882. Read 26 Jan., 10 Dec. 1880, and Dec. 1881.

Enumeration of 144 species, all but a few *Basidiomycetes*, with hosts, localities, and notes in some cases. Some of the species determined by C. H. Peck.

**Spalding, Volney Morgan.** East Bloomfield, N. Y., 29 Jan. 1849.

574. *Ustilago Maydis* and related species. 12<sup>o</sup>, pp. 16, fig. 7. Extr. *Therapeutic Gazette*, V. 121-125. 15 April 1881.

Account of the development of *U. Maydis*, with notes on the germination of the spores in several other species of the order.

**Spegazzini, Carlo.**

575. Fungi Argentini additis nonnullis Brasiliensibus Montevideensibusque. *Pugillus quartus*. 8<sup>o</sup>, pp. 138, pl. 1. Buenos Ayres. Extr. *Anal. Soc. Cient. Argent.* XII. 13-30, 63-82, 97-117, 174-189, 208-227, 241-258; XIII. 11-35, 60-64. July, 1881—Feb. 1882.

In XII. 101 (41, 42), there are given in a foot-note full descriptions of some *Meliolae* of the United States. On XII. 225 (40) is a description of the new genus, *Ravenelula*, with a species on *Sabal* from Florida, *R. guineensis*. On XIII. 21 (20), *Harknessia Eucalypti*, Cooke, is referred to *H. uronigenes*, Spec.

**Sprague, Charles James.** Boston, 16 Jan. 1823.

576. Contributions to New England mycology. *Proc. Soc. Nat. Hist.* Boston, V. 325-331. 1856. Read 5 March, 1856. — VI. 315-321. 1859. Read 6 Jan. 1858.

A list of 682 species collected in Massachusetts by Mr. Sprague and Dennis Murray, a few by M. A. Curtis and J. L. Russell, and some from Connecticut by G. Wright. The species determined by M. A. Curtis, some not described until later papers by Berkeley and Curtis.

577. — List of cryptogamous plants collected at Lake Superior by Dr. S. Kneeland. *Proc. Soc. Nat. Hist.* Boston, VI. 296. 1859. Read 28 Nov. 1857.

List of 8 species of fungi, 2 lichens, and one moss determined by C. J. Sprague.

**Sprengel, Kurt (Curtius).** Boldekow, near Anklam, 3 Aug. 1766. †Halle, 15 March, 1833.

578. *Plantarum minus cognitarum pugillus primus*. 12<sup>o</sup>, pp. 66. Halle. 1813.

On p. 66 is a description of *Solenarium hyssoidaeum* from Pennsylvania, collected by Muhlenberg.

579. — *Systema vegetabilium (Carolii Linnaei)*. Editio decima sexta curante Curtio Sprengel. 8<sup>o</sup>. Vol. I.-V. Göttingen. 1825-1828.

Fungi are included in vol. IV, 376-580, 1827. Includes species of Schweinitz and Bosc, with descriptions of American species, some referred to new genera.

**Stevenson, William Clark, Jr.** Philadelphia, 7 Dec. 1848.

✓ 580. Additions to Mr. Cooke's paper on "The Valsei of the United States." *Proc. Acad. Nat. Sci. Philadelphia*, pp. 86-88. April, 1878.

Gives details of spores of 38 species from the Schweinitz herbarium. Supplementary to paper by M. C. Cooke. See no. 123.

**Streinz, Wenceslaus Maternus.**

581. *Nomenclator fungorum exhibens ordine alphabeticō nomina tam generica quam specifica ac synonyma a scriptoribus de scientia botanica fungis imposita*. 8<sup>o</sup>. pp. viii. 735. Vienna. 1862.

A general index of genera and species of fungi, including American, and a bibliography of works on fungi.

**Sturtevant, Edward Lewis.** Boston, 23 Jan. 1842.

582. A list of edible fungi. *Trans. Mass. Hort. Soc. for 1881*. pp. 322-348. Boston. 1881.

An enumeration of a large number of species compiled from various sources, the American authorities being Curtis and Harkness and Moore.

**Sullivant, William Starling.** Franklinton, O., 15 Jan. 1803. †Columbus, O., 30 April, 1873. See LEA, T. G. See MONTAGNE, J. F. C.

**Taylor, Thomas.**

583. Certain fungi parasitic on plants. *Month. Micros. Jour.* London (XII. 118-125. Pl. 95-97. March, 1875).

Notes on black-knot and *Erysiphe Tuckeri* taken from *Rept. U. S. Dept. Agr. for 1873*, pp. 196-200; and *Rept. 1874*, pp. 174-177.

584. *Oidium Tuckeri*, a fungus of the grape-vine. *Am. Month. Micr. Jour.* V. 5-7. Jan, 1884.

This species said to be the conidial form of *U. spiralis*. Includes quotation from letter of Berkeley in *Gard. Chron. Rev.* in *Grev.* XII. 84.

✓ 585. — Edible mushrooms of the United States. *Rept. U. S. Dept. Agr. for 1885*. pp. 100-108. Pl. 2. Washington. 1886.

Account of 12 species, with colored figures.

N. B. For other papers by this author, see *Microscopic Observations in Reports U. S. Department of Agriculture* prior to 1876, as follows: 1871, pp. 110-122, pl. 4-17, "Report on fungoid diseases of plants," grape mildew, lilac mildew, diseases of pear, and peach-trees. — 1872, pp. 188-203, fig. 27-38, pear-blight, onion-smut, peach-yellows, and potato-rot. — 1873, pp. 183-210, figs. 11-21, hawthorn-blight, potato-rot (also in *Monthly Report Department of Agriculture*, June, 1874), black-knot, orange blight, and apple-rot. — 1874, pp. 161-178, pl. 1-5, cranberry-rot, black-knot (also in *Monthly Report* for Nov. and Dec.), and *Oidium Tuckeri*. — 1875, pp. 193-206, pl. 15, cranberry-rot and black-knot. — 1878, pp. 74-81, mushrooms. — Also, "Puccinia on paper," in the *Lens*, I. 170-171; "The yellows of the peach," I. e. II. 36-38; "Potato blight and rot," I. e. II. 152-157.

**Thuemen, von Felix.** Dresden, 1839. See EXSICCATI in supplement.

✓ 586. New species of American fungi. *Torr. Bull.* VI. 95. June, 1876.

Characters of 3 species and one variety.

✓ 587. — Contributions à la flore mycologique de la province de Québec. *Naturaliste Canadien*, X. 8-10. Jan. 1878.

Paper introduced into an article, "Nos champignons," by the Abbé Provancher. Enumeration of 25 species, one new species, *Gnomonia Provancheriana*, and one new variety described.

✓ 588. — New species of North American *Uredinci*. *Torr. Bull.* VI. 215, 216. March, 1878.

Descriptions of 6 species.

**Thuem, von Felix.**

589. *Fungorum Americanorum triginta species novae. Flora, LXI. (XXXVI. new ser.) 177-184. 21 April, 1878.*

Descriptions of one new genus, *Thuemenia*, and 28 new species collected principally by H. W. Ravenel in South Carolina. One species is credited to Rehm and one to Cooke.

590. — *Die pilze des weinstockes. Mono graphische bearbeitung der sämmtlichen bisher bekannten, auf den arten der gattung *Vitis*, L., vorkommenden pilze.* 8°. pp. xx. 225. Pl. 5. Vienna. 1878.

Includes descriptions of American viticolous fungi, several species described as new. New species of this work are repeated in *Hedwigia*, XVIII. 118-124. Rev. in *Grev. VI. 147*, and *Bot. Zeit.* XXXVII. 60.

591. — *Hyphomycetes nonnulli novi Americani. Rev. Myc. I. 58-61. April, 1879.*

Descriptions of 13 species collected by H. W. Ravenel.

592. — *Melampsora salicina, der weiden rost. Hedwigia, XVIII. 76-79. May, 1879. Extr. Mittheil. aus dem forstl. Versuchswesen Oesterreichs. II.*

Original not seen. Seven species made of the original species, 4 of which belong to the United States. See also *Rev. Myc. I. 136*.

593. — *A brief contribution to the mycological flora of the United States. Torr. Bull. VI. 350, 351. Oct. 1879.*

Notes on 8 species, of which 2 are described as new.

594. — *Fungi pomicoli. Monographische beschreibung der auf den obstfrüchten der gemässigten climata vorkommenden pilze.* 8°. pp. xii. 143. Pl. 3. Vienna. 1879.

Includes descriptions of American species.

595. — *Die blasenrost-pilze der Coniferen. Monographie der gattung *Peridermium*, Lév. Mittheil. aus dem forstl. Versuchswesen Oesterreichs. II. part 3, pp. 297-323. 4°. Vienna. 1880.*

Includes descriptions of and comments on American species of the genus.

596. — *Two undescribed North American species of *Septoria*. Bot. Gaz. V. 122-123. Oct. 1880.*

Characters of *S. Albaniensis* and *S. querceti*.

**Torrey Botanical Club.** See BULLETIN of.

**Torrey**, John. New York, 15 August, 1796. †New York, 10 March, 1873.

597. *A catalogue of plants growing spontaneously within thirty miles of the city of New York.* 8°. pp. 100. Albany. 1819.

On pp. 87-89 is a list of 92 fungi arranged according to Persoon, specific authorities not given.

598. — *Catalogue of North American genera of plants, arranged according to the orders of Lindley's Introduction to the natural system of botany; with the number of species belonging to each genus as far as they are at present determined.* 8°. pp. 22. New York. 1831.

This was originally printed as an appendix to the American edition of Lindley's Introduction. Fungi are given on pp. 12, 13. The names of genera only given with the number of supposed species of each genus, in all 3101.

**Trelease**, William. Mt. Vernon, N. Y., 22 Feb. 1857.

599. *Notes on the relations of two Cecidomyians to fungi. Psyche, IV. 195-200. August, 1884.*

Account of *Rhytisma Solidaginis*, Schw., *R. bifrons*, Schw., and *R. Asteris*, Schw., which, author thinks, are probably primarily insect-galls.

600. — *The Philadelphia rose rot. Gard. Monthly.* pp. 211, 212, with figure. July, 1884.

An account of *Peronospora sparsa*, and the means for destroying it.

601. — *The onion mold. First Ann. Rept. Wisconsin Agr. Exp. Station for 1883. pp. 38-44. Fig. 1-5. Madison, 1884.*

An account of *Peronospora Schleideniana*, De Bary, with notes on its occurrence in Wisconsin.

602. — *The apple-seab and leaf-blight. (*Fusicladium dendriticum*, Wallroth).* First Ann. Rept. Wisconsin Agr. Exp. Station for 1883. pp. 45-56. Fig. 6-9. Madison. 1884.

Account of the fungus and details of the ravages caused by it in Wisconsin. See 434<sup>a</sup>.

603. — *Preliminary list of the parasitic fungi of Wisconsin. Trans. Wisconsin Acad. Sci. Arts, V1. 106-144 (1-40). 1886.*

An enumeration of 271 species, with hosts, localities, and critical notes, including descriptions of 16 new species, one of them credited to Peck and one to Farlow, followed by a host-index. New species given in *Jour. Myc. I. 13-15*. The reprint was issued early in Nov. 1884, the volume of transactions in July, 1886.

604. — *The spot disease of strawberry leaves (*Ramularia Tulasnei*, Sacc.) Second Ann. Rept. Wisconsin Agr. Exp. Station for 1884. pp. 47-58. Fig. 1-3. Madison. 1885.*

Account of the fungus and its distribution in Wisconsin.

605. — *Heteroecismal Uredineae. Jour. Myc. I. 25, 26. Feb. 1885.*

A summary of 29 species.

606. — *The genus *Cintractia*. Torr. Bull. XII. 69, 70. Pl. 50. July, 1885.*

Account of the structure of *Ustilago Junci*, Schw., which is referred to the genus *Cintractia* of Cornu.

607. — *The wax-bean fungus. Cultivator and Country Gentleman.* p. 800. Fig. 1. Oct. 1885.

Account, with figures, of *Gloeosporium Lindemuthianum*.

608. — *The grape-rot. Trans. Miss. Valley Hort. Soc. II. 223-227. Also in Trans. Wisconsin State Hort. Soc. XV. 190-198, with addition of fig. 1-9.*

Includes notices of *Peronospora viticola* and *Phoma uricola*, with figures. The pagination of reprint from *Wis. Trans.* is changed a little from original.

609. — *The smut of Timothy. Rept. U. S. Dept. Agr. for 1885. pp. 87, 88. Pl. 18. Washington. 1886.*

An account of *Tilletia striiformis*, Westd., with notes on some *Ustilagineae* which may prove injurious to cattle. See 434<sup>b</sup>.

610. — *A yellow opium mould (*Eurotium Aspergillus-glaucus*).* Contrib. Dept. Pharmacy, Univ. of Wisconsin. No. 2. pp. 5-9. Fig. 1-8. 1886. Reprint without pagination.

Notes on *Eurotium Aspergillus-glaucus*.

**Treviranus**, Ludolf Christian. Bremen, 18 Sept. 1779. †Bonn, 6 May, 1864.

611. *Ueber die Pietra Fungaja und ein verwandtes gebilde aus den Vereinigten Staaten. Verhandl. Naturhistor. Verein der preuss. Rhein. und Westphal. VI. 281-289. Pl. 12. 1849.*

Includes an account, with figure, of what is apparently a monstrosity of some *Polyporus*, collected by Lient. Macomb at Grand Traverse Bay, Lake Michigan.

**Tuckerman**, Edward. Boston, 7 Dec. 1817. †Amherst, Mass., 15 March, 1886. See **FRIES**, E. M.

— and **Frost**, C. C.

612. *A catalogue of plants growing without cultivation within thirty miles of Amherst College.* 8°. pp. vi. 98. Amherst, 1875.

The fungi by Frost, pp. 62-97, include a list of over 1100 species, with habitats. In the determination of the species the author was aided by M. A. Curtis, and some of the names represent species published later in Berkeley's Notices of North American Fungi (see title 42), and some are manuscript names of Curtis and Frost, which were never published. A number of species are referred to C. H. Peck, and published by him elsewhere. See **PECK**, C. H. The names in this catalogue are frequently misspelled.

**Tulasne**, Charles. Langeais, 5 Sept. 1816. †Hyères, 28 Aug. 1884.

**Tulasne**, Louis René. Azay-le-Rideau, France, 12 Sept. 1815. †Hyères, 22 Dec. 1885.

613. —, L. R. Observations sur l'organisation des *Trémellinées*. *Ann. Sci. Nat. Bot.* 3 ser. XIX. 193-231 (1-39). Pl. 10-13. 1853.

Includes a brief reference to *Podisoma macrospus*, Schw.

614. —. Mémoire sur l'ergot des *Glumacées*. *Ann. Sci. Nat. Bot.* 3 ser. XX. 5-56. Pl. 1-4. 1853.

Has very brief references to American authors on the subject.

614a. —, L. and C. R. Recherches sur l'organisation et le mode de fructification des champignons de la tribu des *Nidulariées*, suivies d'un essai monographique. *Ann. Sci. Nat. Bot.* 3 ser. I. 41-107. Pl. 3-8. 1844.

Includes descriptions of United States species, one new species figured.

615. —. Mémoire sur les *Ustilaginées* comparées aux *Uredinées*. *Ann. Sci. Nat. Bot.* 3 ser. VII. 12-127. Pl. 2-7. 1847.

Includes observations on *Testicularia* and *Ustilago Schweinitzii* (*Uredo Zeae*, Schw.), from the United States.

616. —. Fungi *Hypogaei*. Histoire et monographie des champignons *Hypogés*. Folio. pp. xix. 222. Pl. 22, 9 colored. Paris. 1851. 2d edition, pp. xxiv. 222. Pl. 21. Paris. 1863?

Of the first edition of this sumptuous work only 100 copies were printed, and each copy was numbered. A second edition was afterwards issued same as the first in all respects, except that there is another preface. The date of issue of second edition is uncertain. The title-page bears the date 1853, but the preface of second edition is dated June, 1862. Probably the 1853 of title-page should be 1863. This work includes descriptions of American genera of Bosc and Schweinitz, as *Arachnion*, *Hyporrhiza*, etc.

617. —. Selecta fungorum carpologia, ea documenta et icones potissimum exhibens quae varia fructuum et seminum genera in eodem fungo simul aut vicissim adesse demonstrant. Folio. Vol. I. xxviii. 242. Pl. 5. Paris, 1861. — Vol. II. xix. 319. Pl. 34. 1863. — Vol. III. xvi. 221. Pl. 22. 1865.

First volume includes *Erysiphei*, the second *Xylariei*, *Valsei*, and *Sphaerici*, and the third *Nectriæ Phacidie*, and *Pezizei*. This classic work does not treat specially of American fungi, but there are many critical notes and references to species of this country scattered through the text.

**Tully**, William.

618. Reduction of all the genera of plants contained in the Catalogus Plantarum Americae Septentrionalis of the late Dr. Muhlenberg to the natural families of Mr. De Jussieu's system. For the use of the gentlemen who attended the course of elementary and philosophical botany in Philadelphia in 1815. Philadelphia. 1815.

Has an enumeration of 47 genera of fungi, p. 5, including *Eriophyllum*.

**United States**. Department of Agriculture. See AGRICULTURAL REPORTS.

—. Geological Surveys. See BILLINGS, J. S. See HAYDEN, F. V. See PARRY, C. C. See PORTER, T. C.

**Ventenat**, Etienne Pierre. Limoges, 1 March, 1757. †Paris, 13 Aug. 1808.

619. Dissertation sur le genre *Phallus*. *Mém. de l'Instit. Nat.* (Classe Sci. Math. et Phys.) I. 503-523. Pl. 7. Paris. 1798.

Includes an account of *Phallus indusiatus* from Guiana, with figures, to which species some United States specimens have since been referred, but no mention made of United States specimens by this author.

**Viala**, Pierre, and **Ravaz**, L.

620. Mémoire sur une nouvelle maladie de la vigne. Le Black Rot (*pourriture noire*). 8°. pp. 62. Pl. 4. Montpellier. 1886.

Gives notes on structure and synonymy of *Phoma uricola*, B. and C., and *Sphaeria Bidwellii*, Ellis.

621. —. Sur de nouvelles espèces du genre *Phoma* se développant sur les fruits de la vigne. *Bull. Soc. Bot. France*, XXXIII. lxi.-lxvii. 1886. Not issued until 10 Jan. 1887.

Includes details of *Phoma uricola*, B. and C.

**Vize**, John Edward. London, Eng., 7 March, 1831.

622. Californian Fungi. *Grev.* V. 109-111. March, 1877. — VII. 11-13. Sept. 1878.

Notices of 66 species collected by H. W. Harkness, of which 21 are described as new.

**Voglino**, Pietro. Turin, 23 March, 1864.

623. Sul genere *Pestalozzia* saggio monografico. *Atti. Soc. Veneto-Trentina Sci. Nat.* IX. 209-243 (1-37). Pl. 8-10. 1885. Issued 1886.

A description of all known species of the genus, being a revision of the species given in the third volume of Saccardo's *Sylloge*. Besides the revised descriptions, there are also figures of some North American species.

**Voyle**, Joseph. See RILEY, C. V.

**Walter**, Thomas. Hampshire, England, 1740. †Carolina, 1788.

624. Flora Caroliniana secundum systema vegetabilium per illustris Linnæi digesta: characteres essentiales naturalesve et differentias veras exhibens: cum emendationibus numerosis: descriptiōnum antea evulgatarum: adumbrationes stirpium plus mille continens, nec non generibus novis non paucis, speciebus plurimis novisque, ornata. 8°. pp. 263. Pl. 1. London. 1788.

Describes, pp. 260-263, 7 *Agarici*, 5 *Boleti*, 1 *Hydnium*, 1 *Phallus*, 1 *Clavaria*, 4 *Lycoperdon*, and 1 unnamed species.

**Walsh**, Benjamin Dann. Frowe, Worcester-shire, England, 21 Sept. 1808. †Rock Island, Ill., 18 Nov. 1869.

625. Black Knot. *Practical Entomologist*, I. 48-51. 26 March, 1866. — II. 63. March, 1867.

Arguments to show that this disease is caused by a fungus and not by an insect.

626. —. A plant growing out of an insect. *Practical Entomologist*, II. 116. Aug. 1867.

Reports a fungus growing out of a May-bug in Iowa.

— and **Riley**, C. V.

626a. Fungoid growths. *Am. Ent.* I. 91, 92. Jan. 1869.

Notice of the white grub fungus, with remarks by W. H. Edwards.

**Watson**, Sereno. East Windsor Hill, Conn., 1 Dec. 1826. See BILLINGS, J. L.

**Watt**, David A. P.

627. A provisional catalogue of Canadian Cryptogamia. *Canadian Naturalist and Geologist*, II. new series, 390-404. Oct. 1865.

On pp. 390-392 is a list of 152 species of fungi from the collections of Dr. W. P. MacLaggan, determined by Berkeley, and of D. A. Watt, determined by Curtis. The species are arranged alphabetically, and names of authorities are not given.

**Wilkes Expedition**. See CURTIS, M. A., and BERKELEY, M. J.

**Wingate**, Harold. Philadelphia, 25 August, 1852.

628. A new genus of *Myxomycetes*. *Jour. Myc.* II. 125, 126, with figure. Nov. 1886.

Characters of the new genus *Orthotricha* and description of *O. microcephala*.

**Winter**, Georg. Leipsic, 1 Oct. 1848. See *EXSICCATI* in supplement. See *HEDWIGIA*.  
629. Bemerkungen ueber einige *Uredineen*. *Hedwigia*, XIX. 17-29. Feb. 1880.

The *Uredo Aspidiotus* of Peck referred to *U. Filicum*.

630. — Eine neue *Chrysomyxa*. *Bot. Centralblatt*, V. 250, 251. Feb. 1881.

The *Uredo pirolata*, Koernicke, from New York, referred to *Chrysomyxa*.

631. — Ueber die gattung *Harknessia*, Cooke. *Hedwigia*, XXII. 19-21. Feb. 1883.

Gives notes on *H. Eucalypti*, Cooke, and other exotic species.

632. — New North American Fungi. *Torr. Bull.* X. 7, 49, 50. Jan., May, 1883.

First part has descriptions of *Sorosporium Ellisi*, *Ustilago Vilfiae*, and *Gonatobotrys maculicola*, also given in *Hedwigia*, XXII. 1, 2. Second part has 5 species from Illinois and Kentucky, also given in next title.

633. — Fungi nonnulli novi. *Hedwigia*, XXII. 1-3. Jan. 1883.

Includes 3 species from the United States. See last title.

634. — Ueber einige Nordamerikanische pilze. *Hedwigia*, XXII. 67-72, 129-131. May, Sept. 1883.

First part has descriptions of 8 new species, 5 of them same as in last title, besides notes on *Ascomycetella* and several *Uredineae*. Second part has descriptions of 2 new species, and notes on *Entyloma Physalidis* and *Puccinia Thwaitesii*.

635. — Mycologische Notizen. *Hedwigia*, XXIII. 7-9. Jan. 1884.

Includes notes on *Puccinia heterospora*, *Entyloma Physalidis*, and *Cercospora fusco-virens*.

636. — New North American Fungi. *Jour. Myc.* I. 101, 102. Aug. 1885.

Descriptions of *Sphaerella Eurliana*, *Fusicladium effusum*, *Darluca interseminata*, and *Douassania decipiens*.

637. — Fungi novi Missourientes. *Jour. Myc.* I. 121-126. Oct. 1885.

Characters of 25 new species collected by C. H. Demetrio, same as in title no. 640.

638. — Fungi exotici III. *Hedwigia*, XXV. 92-104. June, 1886.

Notes the occurrence of *Arthrosporium parasiticum*, Winter, in Florida.

639. — Pilze: in Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Oesterreich und der Schweiz. Zweite Auflage. 8°. Band I. Erste Abtheilung, pp. 924, and index. *Schizomy-*

*cetes*, *Saccharomycetes*, and *Basidiomycetes*. Leipsic. 1884. — Zweite Abtheilung, pp. 880. *Pyrenomyces*. To be continued.

This well-known work is issued in parts, the first of which appeared in 1881. The complete first volume has the date 1884. Of the second volume, there had appeared prior to 1887, 800 pages, and the volume is not yet completed. The work is illustrated with numerous woodcuts of the genera and one colored chart. Occasional references are made to American writers in the synonymy.

— and **Demetrio**, C. H.

640. Beiträge zur pilzflora von Missouri. Series I. *Hedwigia*, XXIV. 177-214 (1-37). Oct. 1885.

An enumeration of 350 species, with host-plants and synonymy in some cases, 25 of the species described as new, one attributed to Bresadola. See title no. 637.

**Woronin**, Max.

641. Beitrag zur kenntniss der *Ustilagineen*. 4°. pp. 35. Pl. 4, partly colored. Frankfort. 1882.

This paper forms the fifth part of "Beitraege zur Morphologie und Physiologie der Pilze," by De Bary and Woronin. *Sorosporium Astragali*, Peck, and *S. Desmodii*, Peck, are referred to the genus *Thecaphora*.

**Wyman**, Jeffries. Chelmsford, Mass., 11 Aug. 1814. †Bethlehem, N. H., 4 Sept. 1874.

— and **Berkeley**, M. J.

642. On a minute fungus, *Podisoma macropus*, growing on *Juniperus Virginiana* in North America, by Dr. Wyman in a letter addressed to Sir W. J. Hooker; with some additional remarks by the Rev. M. J. Berkeley. *London Jour. Bot.* IV. 315-319. Pl. 12. Fig. 6. 1845.

A letter, with an account of gross and microscopic characters of the common cedar apple of New England, with figure of the fungus, *Podisoma macropus*, and a note by Berkeley on its botanical relations.

**Zabriskie**, Jeremiah Lott. Flatbush, L. I., 3 Feb. 1835.

643. A caterpillar fungus from New Zealand and some related species of the United States. *Jour. N. Y. Micr. Soc.* I. 89-94. Fig. 1-6. April, 1885.

Includes descriptions and figures of *Torrubia militaris*, *T. Rarenellii*, and *T. clavulata* of the United States.

644. — Fruit of the fungus *Uncinula flexuosa*, Peck, on leaves of the horse-chestnut. *Jour. N. Y. Micr. Soc.* II. 144, 145. Dec. 1886.

645. — Fruit of the fungus *Microsphaera extensa*. *Jour. N. Y. Micr. Soc.* II. 149, 150. Dec. 1886.

## ADDENDA.

**Bail**, Theodor. See **NEES VON ESENBECK**, T. F. L.

**Bisehoff**, Gottlieb Wilhelm. Durkheim, 1797. †Heidelberg, 11 Sept. 1854.

646. *Lehrbuch der botanik*. 8<sup>o</sup>. Vol. I.-III., and supplement. Stuttgart. 1834-1840.

Portion of "Naturgeschichte der drei Reiche." The plates which belong to this work form a separate quarto, the index being in vol. II. Pl. 7, fig. 173, represents *Mitremyces cinnabarinus*.

**Brendel**, F. Add to title no. 76: List of species also given in the *Pharmacist*, XV. 263-268, 291-299. July, Aug. 1882.

**Catesby**, Mark. 1680. †London, 23 Dec. 1749.

647. The natural history of Carolina, Florida, and the Bahama Islands. f<sup>o</sup>. Vol. I., II. London. 1731-43. 2d ed. 1754. 3d ed. 1771.

Vol. I, pl. 36, has a figure called "fungoides capitulo intorto, Toad stool," not recognizable.

**Copeland**, Robert Morris.

648. Edible fungi. *Atlantic Monthly*, XXXI. 223-229. Feb. 1873.

Popular article on the subject, without special reference to American species.

**Crozier**, Arthur Alger. Georgetown, Ottawa Co., Mich., 22 Sept. 1856.

649. Notes on black-knot. *Bot. Gaz.* X. 368, 369. Sept. 1885; and *Jour. Myc.* I. 142.

Remarks on the date of the ripening of the spores in this species.

**Duggan**, J. R. See **SEDWICK**, W. T.

**Hubbard**, Henry Guernsey. Detroit, Mich., 6 May, 1850.

650. Insects affecting the orange. Report on the insects affecting the culture of the orange and

other plants of the *Citrus* family, with practical suggestions for their control or extermination, made, under the direction of the Entomologist, by H. G. Hubbard. *U. S. Dept. Agr. Division of Entomology*. 8<sup>o</sup>. pp. x. 227. Pl. 14. Washington. 1885.

In the introduction, pp. 1-4, pl. 2, is a notice of die-back, bark-fungus, foot-rot, and smut, due to the growth of fungi.

**Osborn**, Herbert.

651. An epidemic disease of *Caloptenus differentialis*. *Am. Nat.* XVII. 1286, 1287. Dec. 1883.

Account of a disease caused by *Entomophthora Calopteni*, Bessey, with a note by C. V. Riley. Paper first read before the Iowa Academy of Science, 27 Sept. 1883. See title no. 63, where p. 1286, which belongs to present title, is incorrectly cited.

**Ott**, Isaac. Northampton Co., Pa., 30 Nov. 1847.

652. Poisonous mushrooms. *Jour. of Nervous and Mental Diseases*, IV. 48-53. Chicago. Jan. 1877.

A general account of the toxicological action of fungi, including experiments on the action of muscarin, especially those of Smiedeberg.

**Pech**.

653. Catalogue of the United States plants in the Department of Agriculture.

The above is the title of a very rare pamphlet found in a few libraries. It has no value except as a literary and botanical curiosity. The author was at one time employed as botanist at the United States Agricultural Department, and prepared a list of plants, pp. 27, which was distributed as a circular, but was never printed in any government publication. It is said to have been suppressed in consequence of the very numerous errors it contains. On pp. 26, 27 is a list of 72 fungi, apparently from Missouri, 31 of them said to be new species. There is no title-page, and the date, which is not printed but written, is Nov. 1, 1866.

## CORRIGENDUM.

In place of the note following title no. 174, substitute the following title:—

174<sup>a</sup>. *Icones Fungorum hucusque cognitorum. Abbildungen der pilze und schwaemme*. f<sup>o</sup>. Vol. I.-VI. Prague. 1837-1854.

A work with figures and descriptions of many species of fungi. Vol. VI., published after Corda's death, was edited

by J. B. Zobel, and contains a small number of species from North America. A considerable part of the edition of the first five volumes was destroyed in the great fire at Prague, and complete sets of the original edition are now very rare. The remaining copies of vol. VI. were purchased by R. Friedlaender & Sohn, of Berlin, who have reproduced the first five volumes by photo-lithography, and most copies now offered for sale have only the sixth volume of the original edition.

## SUPPLEMENT.

FUNGI EXSICCATI AM.-SEPTENTRIONALIS, A LIST OF PUBLISHED SETS OF DRIED FUNGI,  
WHICH INCLUDE SPECIMENS FROM THE UNITED STATES.

**Fungi Caroliniani Exsiccati.** Fungi of Carolina, illustrated by natural specimens of the species by H. W. Ravenel. Fasc. 1, 1852; 2, 1853; 3, 4, 1855; 5, 1860. Charleston, S. C.

Each fasciculus contains 100 specimens, bound in quarto, with a systematic index; and 5 contains an alphabetical index of the whole series. Each fasciculus is numbered separately. Only 30 copies of this series were issued and complete sets are now very rare. The specimens were mostly collected by Ravenel himself, and M. A. Curtis aided in the determination of species. For notices of this work, see *Am. Jour. Sci. Arts*, XVI. 2 ser. 129; XVII. 285; XX. 284; XXIII. 439; and *Charleston Med. Jour. and Rev.* VII. 690 *et seq.*

**Fungi Americani Exsiccati.** H. W. Ravenel and M. C. Cooke. Cent. 1-8. 1878-1882.

This work includes fungi collected by Ravenel principally in South Carolina, Georgia, and Texas. The specimens were determined by Cooke and issued in centuries on loose sheets of quarto size, 4 specimens on each sheet, similar in form to *Fungi Britannici*, 2d edition. About 30 sets were issued, the place of publication being London. The centuries were issued two at a time, as follows: 1 and 2, 1878; 3 and 4, 1879; 5 and 6, 1881; 7 and 8, 1882. There are no indexes accompanying the centuries, but an enumeration of the species, with comments and descriptions of the new species in this series, will be found as follows: *Grerillea*, VI. 129-146; VII. 32-35, 43-54; XI. 106-111; XII. 22-33; — *Hedwigia*, XVII. 37-40; — *Britten's Jour. Bot.* XXI. 67-71, 106-110, 136-139; — *Jour. Roy. Hort. Soc.* V. new series, 92. See titles here given, nos. 129, 135, 154.

**North American Fungi.** Edited and published by J. B. Ellis. Newfield, N. J. Cent. 1-15. 1878-1885.

**SECOND SERIES.** Edited and published by J. B. Ellis and B. M. Everhart. Cent. 16, 17. Newfield. 1886. To be continued.

This series contains specimens bound in quarto form, with an index to each century. There is also an "Alphabetical Index of Cent. 1-10," 7 pages, prepared by W. C. Stevenson, an "Alphabetical Index of Cent. 1-15," compiled by B. M. Everhart, and an "Index of habitats" of Cent. 1-10, compiled and published by W. C. Stevenson. Two centuries have been issued annually, and the edition, which consists of 50 copies, has up to present date all been sold.

Cent. 3, 11, 15 contain principally *Uredineae*, *Ustilagineae*, and *Peronosporeae*. For review, see title no. 279. Cent. 1, 5, 9 are principally *Ascomycetes*. Cent. 12 and 17 largely *Septoriae*, *Phyllostictae*, and their allies. Cent. 13 and 16, *Cercosporae*, *Ramulariae*, and related genera. See reviews as follows: *Hedwigia*, XIX. 124; XX. 100; XXI. 110; XXII. 124; XXV. 44; — *Am. Nat.* XV. 652; XVII. 873; — *Jour. Myc.* I. 83. See title no. 22. Notices of this series, with lists of new species, also given in current numbers of *Revue Mycologique*.

**Herbarium Vivum Mycologicum** sistens fungorum per totam Germaniam crescentium collectionem perfectam.

This series of fungi exsiccati includes 20 centuries, of which the first was issued at Berlin in 1832, by J. F. Klotzsch. A notice of the first fasciculus appeared in *Linnæa, Litteratur-Bericht für 1833*, p. 17. Two parts were issued by Klotzsch, but the remaining parts were issued by L. Rabenhorst under the title "Klotzschii Herbarium vivum mycologicum," etc. Dresden. 1842-1855. For notice of Rabenhorst in connection with this series, see *Linnæa*, 1842, pp. 333, 334. The centuries issued by Rabenhorst are bound in quarto covers. There appeared two indexes: "Index in Klotzschii Herbarium vivum mycologicum," Cent. 9; and "Index alphabeticus et conspectus systematicus in Klotzschii herbarium mycologicum," curante Ludovico Rabenhorst, pp. 12, 1851,

including the first 14 centuries. Complete copies of this series are very rare, and very few have the first three centuries complete, since, apparently, the specimens of the first two centuries at least had the specimens loose and not bound like the later centuries.

**Klotzschii Herbarium Vivum Mycologicum**, etc. Editio nova, cura Dr. L. Rabenhorst. Cent. 1-8. Dresden. 1855-1858.

A continuation of the previous series and similar in form. An index on a loose sheet with each century.

N. B. At some subsequent period what purported to be sets of this series were sold by Rabenhorst, but the species do not correspond to those of the original issue. The title-pages of these spurious sets bear dates from 1845 to 1859, without any regular order, and are evidently nothing but old titles left over from this and the preceding series.

**Fungi Europaei Exsiccati.** Klotzschii herbarii vivi mycologicci continuatio. Editio nova. Series secunda. Cent. 1-36. Dresden. 1859-1886. To be continued.

A continuation of the preceding and of the same form. Previous to Cent. 27 there were no indexes, since then an alphabetical index bound with each century. This series was edited by Rabenhorst until his death and since then, beginning with Cent. 27, the editor has been G. Winter. At the same date the title was changed to "Fungi Europaei et Extraeuropaei." With Cent. 21, the numbering of the title-pages began again with 1, the number of the whole series being also retained; and it is by this latter number that the centuries are designated. Although the title-pages bear the name Dresden, the later centuries have in reality been issued from Leipsie. The number of copies issued is somewhat over 100.

N. B. What is sometimes offered for sale as Klotzsch's Herbarium vivum includes only the *Fungi Europaei*. In many sets Cent. 26, which was in preparation at the time of Rabenhorst's death but not issued until later, is either wanting or imperfect. The only part of the whole series which contains American specimens is that from Cent. 27 on. The following notices of the centuries in which American numbers occur may be consulted in *Hedwigia*. Cent. 27, 4 species from United States, vol. XXI. 5-12; Cent. 28 and 29, 8 species, vol. XXII. 9-15; Cent. 30, 37 species, vol. XXII. 173-176, 180-185; Cent. 31 and 32, 53 species, vol. XXIII. 164-175; Cent. 33 and 34, 88 species, vol. XXIV. 252-264; Cent. 35 and 36, 99 species, vol. XXV. 257-263; XXVI. 24-35.

**Ascomyceten.** In getrockneten exemplaren herausgegeben von Dr. Med. Rehm. Fasc. 1-17. Nos. 1-850. Regensburg. 1873-1885. To be continued.

Each fasciculus of this series is composed of 50 specimens contained in loose envelopes or boxes, and only 25 copies were issued. The following numbers are from the United States, collected principally by J. B. Ellis: 269, 287, 303, 307, 310, 311, 314, 315, 316, 318, 325, 329, 337, 338, 347, 360, 361, 363, 364, 369, 381, 394, 423, 431, 438, 441, 446, 447, 464, 465, 473, 522, 609, 770, 822, 845, 846, 849.

For notes on species in this collection, see title no. 518. Also, see Winter, "Diagnosen and Notizen zu Rehm's Ascomyceten," in *Flora*, LV. (XXX.) 508-511, 523-527, and 542-544. Also, *Grerillea*, II. 157, V. 37, etc. Enumeration of species in the earlier fasciculi are given in *Flora*, 1873, 1874, 1875.

**Mycotheca Universalis** eura F. de Thuenen. Cent. 1-23. 1875-1884.

A collection of specimens in envelopes attached to loose sheets with quarto covers. Cent. 1-5 were issued at Baireuth, 6-18 at Klosterneuburg, 19-22 at Vienna, and 23 at Görz. There was an alphabetical index of the species in Cent. 1-12, 8°, pp. 35, issued in 1879.

There are specimens from the United States in each of the centuries, in all 310 species, and to some of their labels are

added descriptions and notes, which are also given in *Flora* under the heading "Diagnosen zu Thümens Mycotheea Universalis," as follows: 1856, 203-208; 1857, 160-174, 204, 208; 1858, 87-94, 104-112; 1859, 94-96, 103-110, 123-128, 137-139; 1860, 312, 322, 323-332; 1861, 237-239, 251-255, 266-272, 295-303. See notice of Cent. 1 and 2 in *Torr. Bull.* VI. 47-48, and of Cent. 13 and later parts in *Rev. Myc.* 1879 *et seq.*, *Ann. Nat.* XVI. 321.

**Herbarium Mycologicum Oeconomicum.** Die für die land-, forst- und hauswirthschaft, den gartenbau und die industrie schädlichen resp. nützlichen pilze in getrockneten exemplaren. Edited by F. von Thümens. Fase. 1-15. Nos. 1-750. Teplitz, Baireuth, Klosterneuburg, 1872-1880.

We have not seen this collection, which includes a small number of species from the United States, collected by Ellis, Peck, and Ravenel.

**Fungi Gallici Exsiccati.** Edited by C. Roumeguère. Cent. 1-40. Toulouse. 1879-1886. To be continued.

This collection includes specimens attached, generally in envelopes, to loose sheets with quarto covers. There is an "Index alphabétique des genres, espèces et synonymes des Fungi Gallici Exsiccati, Cent. 1-25, 1879-1883," taken from *Revue Mycologique*, V. 137-164. July, 1883. The following numbers of this collection are from the United States: 2006, 2097, 2327, 2330, 2390, 2429, 2453, 2465, 3412, 3413, 3414, 3421, 3470, 3478, 3595, 3839, 3840, 3841, 3842, 3845, 3859, 3860, 3861, 3862, 3864, 3865, 3866, 3867, 3873, 3876, 3877, 3879, 3881, 3882, 3921, 3926, 3927, 3961, 3976, 3977, 3994, 4000. Notices of the species in this collection are given in the current numbers of the *Revue*. Those of the numbers from the United States are as follows: IV. 96-105; V. 6-30; VII. 215-224; VIII. 14-23, 190-200; IX. 19-29.

Library of Harvard University.

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# BIBLIOGRAPHICAL CONTRIBUTIONS.

EDITED BY JUSTIN WINSOR,

LIBRARIAN.

No. 31.

(SUPPLEMENTAL TO NO. 25.)



A SUPPLEMENTAL LIST OF WORKS ON NORTH AMERICAN FUNGI.

By W. G. FARLOW.

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1888.

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A Star prefixed indicates they are not yet ready.

## VOL. I.

1. EDWARD S. HOLDEN. Index-Catalogue of Books and Memoirs on the Transits of Mercury.
2. JUSTIN WINSOR. Shakespeare's Poems: a Bibliography of the Earlier Editions.
3. CHARLES ELIOT NORTON. Principal books relating to the Life and Works of Michelangelo, with Notes.
4. JUSTIN WINSOR. *Pietus et Gratulatio.* An Inquiry into the authorship of the several pieces.
5. LIST OF APPARATUS in different Laboratories of the United States, available for Scientific Researches involving Accurate Measurements.
6. THE COLLECTION OF BOOKS AND AUTOGRAPHS, bequeathed to Harvard College Library, by the Honorable Charles Sumner.
7. WILLIAM C. LANE. The Dante Collections in the Harvard College and Boston Public Libraries.
8. CALENDAR of the Arthur Lee Manuscripts in Harvard College Library.
9. GEORGE LINCOLN GOODALE. The Floras of different countries.
10. JUSTIN WINSOR. Halliwelliana: a Bibliography of the Publications of James Orchard Halliwell-Phillipps.
11. SAMUEL H. SCUDDER. The Entomological Libraries of the United States.
12. FIRST LIST OF THE PUBLICATIONS of Harvard University and its Officers. 1870-1880.
13. SAMUEL H. SCUDDER. A Bibliography of Fossil Insects.
14. WILLIAM H. TILLINGHAST. Notes on the Historical Hydrography of the Handkerchief Shoal in the Bahamas.
15. J. D. WHITNEY. List of American Authors in Geology and Palaeontology.
16. RICHARD BLISS. Classified Index to the Maps in Petermann's Geographische Mittheilungen. 1855-1881.
17. RICHARD BLISS. Classified Index to the Maps in the Royal Geographical Society's Publications. 1830-1883.
18. JUSTIN WINSOR. The Bibliography of Ptolemy's Geography.
19. JUSTIN WINSOR. The Kohl Collection of Early Maps.
20. WILLIAM C. LANE. Index to Recent Reference Lists, no. 1. 1884-1885.

## VOL. II.

21. SECOND LIST OF THE PUBLICATIONS of Harvard University and its Officers. 1880-1885.
- \*22. JUSTIN WINSOR. Calendar of the Sparks Manuscripts in Harvard College Library.
23. WILLIAM H. TILLINGHAST. Third List of the Publications of Harvard University and its Officers. 1885-1886.
24. WILLIAM C. LANE. Index to Recent Reference Lists, no. 2. 1885-1886.
25. W. G. FARLOW and WILLIAM TRELEASE. List of Works on North American Fungi.
26. WILLIAM C. LANE. The Carlyle Collection.
27. ANDREW MCF. DAVIS. A few notes on the Records of Harvard College.
28. WILLIAM H. TILLINGHAST. Fourth List of Publications of Harvard University and its Officers. 1886-1887.
29. WILLIAM C. LANE. Index to Recent Reference Lists, no. 3. 1887.
30. SHELLEY'S "SKYLARK," a Facsimile of the original manuscript.
31. W. G. FARLOW. Supplemental List of Works on North American Fungi.

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## SUPPLEMENTARY LIST OF WORKS ON NORTH AMERICAN FUNGI.

By W. G. FARLOW.

The present list is a continuation of Bibliographical Contributions no. 25, which included the titles of works on the fungi of the United States and the northern parts of North America published prior to 1887. The plan followed is the same as that of the paper just mentioned, the object being to give additions and corrections to be made to the list of works previously published with the addition of titles of works which appeared in 1887. The original list with the present supplement is as complete a presentation of the subject as the writer is able to make, and as he does not propose to continue the work further it is to be hoped that some other person or persons will undertake the task hereafter.

W. G. FARLOW.

CAMBRIDGE, March 1, 1888.

### LIST OF WORKS ISSUED BEFORE 1887.

#### ADDENDA AND CORRIGENDA.

No. 15. Add: also in *Studies from the Biolog. Lab. Johns Hopkins University*, Session 1877-78, no. 1. Baltimore. 1879.

After no. 22 insert the following title:—

**Barbeck**, William.

22<sup>a</sup>. Microscopic fungi infesting our cereals. *Am. Nat.* XIII. 612-620. Oct. 1879.

General notes on ergot, smuts, rusts and blights.

No. 31. Add to note: no. 109, *Leotia elegans*, Berk. *London Jour. Bot.* V. 6 (5).

No. 49. For 7 species, read 8 species.

No. 69. For pp. 174-190, read pp. 156-170.

No. 121. For p. 277 read 273.

No. 125. Add: See also *Gard. Chron.* VII. 634. 1877, I.

After no. 145 insert the following:—

**Cooke**, Mordecai Cubitt.

145<sup>a</sup>. The sub-genus *Coniophora*. *Grev.* VIII. 88-89. March, 1880.

Includes notes on four American species.

No. 196. This paper is reproduced in "Mushroom Culture" by W. Robinson, London, 1870, pp. 145-160.

After no. 200 insert the following:—

**Dewey**, Chester. Sheffield, Mass., 25 Oct. 1784. † Rochester, N.Y., 13 Dec. 1867.

200<sup>a</sup>. A history of the county of Berkshire, Massachusetts; in two parts, the first being a general view of the county; the second, an account of the several towns. By gentlemen in the county, clergymen and laymen. sm. 8<sup>o</sup>. pp. 468, with 2 maps and several illustrations. Pittsfield, Mass. 1829.

Part one of this work includes "Catalogue of Plants found in the County of Berkshire," pp. 43-86, by Rev. Chester Dewey. On pp. 85-86 is a list of 9 genera and 13 species of fungi. Authorities of names not given.

To **Fischer**, Eduard, add: Born at Berne, Switzerland, 16 June, 1861.

After no. 265 add the following note:—

The papers marked nos. 263, 264, and 265, are reproduced in *The Botanical Works of the late George Engelmann. Collected for Henry Shaw, Esq. Edited by William Trelease and Asa Gray. Cambridge. 1887.* no. 263, 265, and that part of 264 relating to grape fungi are on pp. 430-432. That part of 464 relating to oak fungi is on p. 410.

No. 300. Add: Rev. in *Hedw.* XXVI. 113.

After no. 336 insert the following:—

**Griffith**, Robert Eglesfeld. †Philadelphia, Pa., 26 June, 1850.

336<sup>a</sup>. Medicinal botany, or descriptions of the more important plants used in medicine, with their history, properties, and mode of administration. 8<sup>o</sup>. pp. 704. Philadelphia. 1847.

The chapter on Fungales, pp. 674-679, figs. 326-330, gives an account of several species of fungi, but there is no special reference to American species.

No. 372. For 13 of them, read 14 of them.

No. 374. To pp. 17, 18, add p. 16. *Rev. Torr. Bull.* VIII. 95.

After no. 380 insert the following:—

**Lamarek de**, Jean Baptiste Antoine Pierre Monnet. Bazentin, France, 1 Aug. 1744. †Paris, 18 Dec. 1829.

380<sup>a</sup>. *Eneyelopédie méthodique, Botanique.* Paris. 1783-1817.

In supplement V. of this work, Paris, 1817, pp. 475, 476, are descriptions of *Lycoperdon cyathiforme*, *L. transversarium*, *L. heterogeneum*, *L. calostoma*, *Onygena decorticata*, from North America. See titles no. 73 and 200.

After no. 425 insert the following:—

**Morison**, Robert. Aberdeen, 1620. †London, 10 Nov. 1683.

425<sup>a</sup>. *Plantarum historiae universalis Oxoniensis Pars tertia seu herbarum distributio nova*, etc.

In this work, p. 642, London, 1699, is a reference to a "fungus erupitus lupi" from Virginia. The species cannot now be recognized.

After no. 498 insert the following:—

**Porcher**, Francis Peyre.

498<sup>a</sup>. Medicinal plants of South Carolina indigenous and introduced. *Trans. Am. Med. Ass.* II. 683-862. 1849.

The only reference to fungi in this work is a brief note on *Amanita muscaria*, pp. 853, 854.

No. 501. Add: 2d edition in 1869, fungi on pp. 694-699.

After no. 505 insert the three following titles:—

**Provancher**, L. (Abbé).

505<sup>a</sup>. Un champignon remarquable. *Naturaliste Canadien*, XVI. 50-58, fig. 56. Oct. 1886.

Account of *Phallus impudicus* and its place among fungi.

**Rafinesque-Schmaltz, C. S.**

505<sup>b</sup>. Prospectus of Mr. Rafinesque-Schmaltz's two intended works on North American botany; the first on the new genera and species of plants discovered by himself, and the second on the natural history of the funguses, or mushroom-tribe of America. *Medical Repository*. Second Hexade. V. 350-356. New York, 1808.

On pp. 355, 356, is an enumeration of 17 new genera with brief remarks and names of some of the species included under the genera. The author states that he "shall describe in this work nearly 850 species or varieties of American mushrooms, of which one half will be new orders, and most of them elucidated by plates."

505<sup>c</sup>. Essential generic and specific characters of some new genusses and species of plants observed in the United States of America in 1803 and 1804. By Mr. C. G. Rafinesque-Schmaltz. In a communication to Dr. Mitchell, dated Palermo, Sept. 1, 1807. *Medical Repository*. Second Hexade. V. 356-363. New York, 1808.

On pp. 362, 363, are descriptions of 20 new species of fungi, principally *Pezizae* and *Clavariace*. Neither this paper nor the preceding have any scientific value.

After no. 523<sup>a</sup> insert the following:—

**Richardson, (Sir) John.**

523<sup>b</sup>. Remarks on the climate and vegetable productions of the Hudson's Bay countries. *Edinburgh Phil. Jour.* XII. 197-231. April, 1825. Also reprint, pp. 35.

In a table on p. 224 is a list of 12 genera of fungi with the number of species growing in the Hudson Bay country.

After no. 508 insert the following:—

**Sahagun, Bernardino de.**

508<sup>a</sup>. *Historia universal de las cosas de Nueva España*.

This work, whose author lived about the 16th century, is given in *Kingsborough's Antiquities of Mexico*. Vol. VII. London. 1831. In the 11th book, 7th chapter, pp. 369-394, is an account of plants, including some fungi. According to Mr. W. R. Gerard, who has called our attention to this title, this is probably the earliest account of North American fungi. There are brief descriptions with Aztec names of 12 species, one of which appears to be *Lycoperdon giganteum* and another probably *Agaricus muscarius*.

After no. 528 insert the following:—

**Riley, Charles Valentine.** The cabbage *Plusia*. *Rept. U. S. Dept. Agr. for 1883*, pp. 119-122.

On p. 121 is a notice of a disease of *Plusia Brassicae* caused by *Batrystis Rileyi* Farlow, of which a description is given.

After **Schmidt, J. C.**, insert the following:—

**Schoepf, Johann David.** Wunsiedel, 8 March, 1752. †Anspach, 10 Sept. 1800.

552<sup>a</sup>. *Materia medica americana, potissimum regni vegetabilis*. Erlangen. 1787. 8°. pp. 170.

On p. 159 is an account of *Agaricus coriaceus*, *Ag. Auri-cutula judae*, *Lycoperdon Tuber*, and *L. Boista*, taken from Gronovius's *Flora Virginica*, 2d ed. See title no. 337. In this work the author's name is given Schoepf but in other works it is Schoepff.

No. 563. In the note, *Blastema* should be *Blastesis*. The statement that this species was not published is incorrect. See "A fungus on the leaves of pear trees." by W. H. Seaman, in *Am. Month. Micr. Jour.* III. 169, 170. Sept. 1882.

To **Seymour, A. B.**, add: See **Burrill, T. J.**

After no. 568<sup>a</sup> insert the following:—

**Seymour, Arthur Bliss.**

568<sup>b</sup>. Rusts of pomaceous fruits. *Prairie Farmer*, p. 648, fig. 1-4. 2 Oct. 1886.

An account of the *Gymnosporangia* and *Roesteliae* of the Eastern United States, including a letter from J. G. Vaughn concerning forms observed in Marion Co., Ill. Same in substance as no. 567<sup>a</sup>.

After no. 598 insert the following:—

**Tournefort, Joseph Pitton de.** Aix, Provence, 5 June, 1656. †Paris, 28 Dec. 1708.

598<sup>a</sup>. *Institutiones rei herbariae*. Editio altera, etc. Vol. III. pp. 697. Pl. 476. Paris, 1700.

On pp. 560, 563, 565, 666, are references to 5 fungi from America, 2 of them taken from Plukenet and one from Morrison. The species are also given in the third edition on the same pages, except 666.

After no. 611 insert the following:—

**Tuckerman, Edward.**

611<sup>a</sup>. Note on *Geaster quadrifidus*. *Am. Jour. Sci. and Arts*, XXXVI. 380. July, 1839.

Brief note stating that he has found this species in Cambridge, Mass.

After **Wilkes Expedition** insert the following:—

**Williams, Stephen W.**

627<sup>a</sup>. Report on the indigenous medical botany of Massachusetts. *Trans. Am. Med. Ass.* II. 863-927. 1849.

On p. 924, under the heading "Mushrooms," is note on *Helvella amara* and *Boletus Laricis*, of no value.

In Supplement, p. 35, 19th line from bottom, instead of "See title no. 22" read "See title no. 227."

The statement under **FUNGI EUROPAEI EXSICCATI** that "the only part of the series which contains American specimens is that from Cent. 27 on" is incorrect. In the appendix to Cent. 9 of the **HERBARIUM VIVUM MYCOLOGICUM** is *Stereum fasciatum* from North America.

The attention of mycologists should be called to the *Contribution to American Bibliography of Insect Diseases in Psyche*, V. 15-20, 45, 46, Jan-April, 1888, which gives a number of references to titles, partly botanical and partly entomological, which cannot well be introduced into the present list.

## LIST OF WORKS PUBLISHED IN 1887.

**Arthur**, Joseph Charles. See also **Scribner**, F. L.

654. Report of the Botanist to the New York Agricultural Experiment Station. 5th Ann. Rept. N. Y. Agr. Exp. Station for 1886. pp. 275-315, with 10 figures. Elmira, N. Y. 1887. Extras distributed 30 Jan. 1887.

Besides articles on pear blight this report contains the following articles on diseases caused by fungi: Rotting of tomatoes; Disease of clover-leaf weevil, with note on peculiarity of the germination of the spores of *Entomophthora Phytonomi* (also in *Bot. Gaz.* xii. 72); Strawberry mildew, *Sphaerotheca Castagnei*, Lev.; Plum-leaf fungus, *Septoria cerasina*, Peck, with figures.

On title-page of reprint the report is said to be for 1887, an error for 1886. A corrected second edition of reprint was issued in Oct. 1887, paged 259-296, substance the same as in first reprint, to which is added "Smut in oats," by C. S. Plumb, pp. 124-130, and "Hyposulphite of soda as a fungicide," by Emmett S. Goff, pp. 173, 174. *Rev. Am. Nat.* XXI. 380.

655. — Remarks at session of the Botanical Club of the A. A. A. S., 15 Aug. 1887. *Torr. Bull.* XIV. 207, 208. Sept. 1887.

Notes the occurrence of black-knot on *Prunus maritima*, and a *Cintractia* on *Cyperus Grayii* on Staten Island.

— and **Holway**, E. W. D.

656. Fungi: in *Geological and Natural History Survey of Minnesota*. Bulletin no. 3. Report on botanical work in Minnesota for the year 1886. 8°. pp. 56. St. Paul. Distributed Oct. 1, 1887.

The fungi, pp. 26-31, *Basidiomycetes*, *Uredineae*, and *Ustilagineae*, pp. 32-36, *Pyrenomycetes*, *Heteropeltidaceae*, *Perisporiaceae*, and *Peronosporae*, and pp. 39, 40, *Myxomycetes* and *Chytridinaeae*, were mainly determined by Arthur and Holway, some by C. H. Peck and J. B. Ellis. A list of 233 species of fungi, with localities and habitats, including descriptions of 3 new species by Arthur and Holway and 7 by Ellis and Holway.

**Berlese**, Augusto Napoleone.

657. Fungi Moricolae. Iconografia e descrizione dei funghi parassiti del gelso. Fasc. IV. 8°. Padua. 20 Aug. 1887.

This work is a series of octavo plates, in part colored, illustrating the fungi which grow upon species of *Morus*. In fasc. 4 is figured the American species, *Massaria epileuca*, B. and C. Of the previous fasciculi, no. 2, issued 22 April, 1885, is the only one containing special American species. In that fasciculus are figures of *Lophidium fenestrata*, Sacc., and *Hysterographium Mori*, Rehm.

**Bessey**, Charles Edwin.

658. The growth of *Tulostoma mammosum*. *Am. Nat.* XXI. 665-666. July, 1887.

Account of the stipe and the peridium in this species.

659. — Ash-rust again. *Am. Nat.* XXI. 666. July, 1887.

Notes the rarity of *Aecidium Fraxini*, S., in Nebraska in 1887. See title no. 68.

See, also, The Use of English names for Fungi by this author in *Am. Nat.* March, 1887.

**Brendel**, Frederick.

660. Flora Peoriana, the vegetation in the climate of Middle Illinois. 8°. pp. 89. Peoria, Ill. 1887.

On pp. 68, 69, is a list of 109 species of fungi without notes. This paper is not a translation of no. 76, as might be supposed from the title itself, but is different in several respects.

**Britton**, Nathaniel Lord.

661. Remarks on fungi. *Proc. Natural Science Ass. of Staten Island*.

In the proceedings of 9 April, 1887, Dr. Britton made remarks on fungi collected by members of the Association during the past two years. General notice of *Agaric*, *Polypori*, etc. Report on octavo sheet, without paging.

The title of last paper is "Structure of certain Timber-Ties; Behaviour and Causes of their Decay in the Road-Bed." Printed and a few copies struck off in 1887 but not generally issued until 1888.

**Burrill**, Thomas Jonathan, and **Earle**, F. S.

662. Parasitic fungi of Illinois. Part II. *Bull. Illinois State Lab. Nat. Hist.* II. 387-432, with 8 figures. Peoria, Ill.

Issued in July, 1887. General account of the order with figures of the genera found in Illinois, together with a key to genera, followed by descriptions of 29 species, with full synonymy and critical notes. There is a systematic index and index of hosts. *Rev. Torr. Bull.* XIV. 193. Sept. 1887. *Bot. Gaz.* XII. 303. Dec. 1887.

**Calkins**, William Wirt.

663. Notes on Florida fungi. no. 10. *Jour. Myc.* III. 7, Jan.; no. 11, l. c. 33, 34, March; no. 12, l. c. 46, April; no. 13, l. c. 58, 59, May; no. 14, l. c. 70, June; no. 16, l. c. 82, July, 1887.

Continued from title no. 100. Part 15 is not given, probably by typographical error.

**Cobb**, N. A.

663a. A list of plants found growing wild within thirty miles of Amherst. 8°. pp. 51. Northampton, Mass. 1887.

On pp. 31-48 is given a list of fungi, including lichens. The fungi proper are in the main those given by C. C. Frost in Tuckerman's Catalogue. See title no. 612.

**Cooke**, Mordecai Cubitt.

664. Synopsis *Pyrenomycetum*. *Grev.* XV. 80-86, 122-125; XVI. 16-19, 50-56. March, June, Sept., Dec. 1887.

Continuation of title no. 161. Includes notes on a number of N. Am. species of *Byssosphaeria*, *Cucurbitaria*, *Lasiostoma*, *phaeria*, *Venturia*, *Chaetomium*, *Rosellinia*, *Sordaria*, etc.

665. — New species of *Ravenelia*. *Grev.* XV. 112. June, 1887. *Jour. Myc.* III. 83.

Description of *R. verrucosa*, Cke. and Ellis from Mexico.

666. — Some exotic fungi. *Grev.* XVI. 15, 16, 25, 26. Sept., Dec. 1887.

Has descriptions of *Sphaeronema tenuirostris*, *Cucurbitaria Ravenelii*, and *Cylindrocolla quercina*, from the United States.

667. — Australasian fungi. *Grev.* XVI. 30-33. Dec. 1887.

*Bovista ovalispora* Che. & Mass. is said to occur in South Carolina.

667a. — New British fungi. *Grev.* XVI. 42-49, Dec. 1887.

Also includes description of *Bovista ovalispora* and *Lycoperdon Cookei*, Mass.

**Craig**, John. Lakefield, Province of Quebec, Canada, 27 April, 1864. See **HALSTED**, B. D.

668. Observations on corn and corn smut. *Bull. Iowa Agr. Coll.* Nov. 1886, p. 16. Issued 1887.

The smut found to be most abundant in the fruit which has a north-east exposure.

**Cuboni**, J. See **SACCARDO**, P. A.

**Dietel**, P.

668a. Beitrage zur morphologie und biologie der *Uredineen*. *Bot. Centralblatt.* XXXII. 54-56, 84-91, 118-121, 152-156, 182-186, 217-220, 246-250, Pl. 1, Oct., Nov. 1888.

Has incidental references to a number of American species.

**Dudley**, Plimmon Henry.

669. *Polyporus sanguineus*. *Jour. N. Y. Micr. Soc.* III. 29, 30. July, 1887.

Note of the occurrence of this species, and species of *Trametes* and *Lenzites*, on the isthmus of Panama.

670. — *Chamaccyparis sphaeroidea*, Spach; white cedar, and its fungus, *Agaricus campanella*, Batsch. *Jour. N. Y. Micr. Soc.* III. 30-34. Fig. 1. July, 1887.

N. B. See also other papers by this author in *Jour. N. Y. Micr. Soc.* III. 40, 41. July, 1887, notes on *Merulius lacrymans*, and in *Dept. of Agr. Forestry, Bull.* no. 1. pp. 39, 40, 42, 44, 47, 48, 50, 52, where a list of fungi found on six species of wood used for railroad ties is given.

**Dudley**, William Russell. Guilford, Conn., 1 March. 1849. See **MERRY**, M.

**Earle**, Franklin Sumner. See also **BURRILL**, T. J.

671. Pear blight and root-rot. *Prairie Farmer*, p. 86. 5 Feb. 1887.

The root-rot is said to be caused by *Polyporus versicolor*, and an account is given of its prevalence in Illinois.

672. — Pear leaf-blight and seab. *Prairie Farmer*, p. 102. 12 Feb. 1887.

A popular account of *Morthiera Mespili* and *Fusicladium pyrinum*.

673. — Pear diseases caused by fungi. *Trans. Illinois Hort. Soc.* XX. 167-171. 1887.

Substance same as in the last two papers.

**Ellis**, Job Bicknell. See **ARTHUR**, J. C., title no. 656, **LANGLOIS**, A. B., and **MARTIN**, G.

674. *Terfezia Leonis*, Tul. — *Tuber niveum* (Desf.). *Jour. Myc.* III. 10. Jan. 1887.

Reports the discovery of this species in Louisiana by Rev. A. B. Langlois, and gives notes on its microscopical characters and edible properties.

675. — Authority in nomenclature. *Jour. Myc.* III. 33. March, 1887.

Objects to the use of the name *Physalospora Bidwellii*, Sacc., by Scribner, in paper, title no. 560, and thinks that the name of Ellis should be added in parenthesis.

676. — *Melanconis dasycarpa*, E. & K. *Jour. Myc.* III. 118. Oct. 1887.

The author suspects that this species is not different from *Melanconis Everhartii*, Ell.

677. — *Tricothecium griseum*, Cooke. (*Pyricularia*, Sacc.) *Jour. Myc.* III. 126. Nov. 1887.

This species is reported to be associated with *Phyllachora graminis* on *Muhlenbergia*. A new var. *leptosperma*, E. & K., is mentioned on *Paspalum setaceum*.

— and **Everhart**, B. M.

678. Additions to *Cercospora*, *Gloeosporium*, and *Cylindrosporium*. *Jour. Myc.* III. 13-22. Feb. 1887.

Descriptions of 40 new species of *Cercospora*, 3 of *Gloeosporium*, and 4 of *Cylindrosporium*, with notes on a few other species. *G. aridum* is referred to Ellis and Holway. This paper is a supplement to titles 242, 244, and 246.

679. — — — New species of *Ustilagineae* and *Uredineae*. *Jour. Myc.* III. 55-57. May, 1887.

Descriptions of 11 species, most of them from New Mexico, Arizona, and Washington Territory.

680. — — — Synopsis of the North American species of *Xylaria* and *Poronia*. *Jour. Myc.* III. 97-102, 109-113. Sept., Oct. 1887.

Descriptions of 30 species, with notes.

681. — — — Additions to *Hypocreaceae*. *Jour. Myc.* III. 113-116. Oct. 1887.

Account of 9 species, of which 3 are described as new.

682. — — — New species of fungi from various localities. *Jour. Myc.* III. 116-118, 127-130. Oct., Nov. 1887.

Descriptions of 24 species, 7 of them *Gloeosporia*.

— and **Kellerman**, W. A.

683. — New Kansas fungi. *Jour. Myc.* III. 102-105. Sept. 1887.

Descriptions of 15 species, principally fungi imperfecti. See next title.

684. — — — New species of fungi from Kansas. *Jour. Myc.* III. 126, 127. Nov. 1887.

Descriptions of 6 species. See also title above.

**Everhart**, Benjamin Matlack. See **ELLIS**, J. B.

**Fairman**, Charles E.

685. *Vermicularia phlogina* Fairman. *Bot. Gaz.* XII. 67. March, 1887.

Characters of species given.

**Farlow**, William Gilson. See **KLEBAHN**, H.

686. Vegetable parasites and evolution. *Bot. Gaz.* XII. 173-189. Aug. 1887.

Includes a few statistics of fungi of the United States.

687. — — — Aecidium on *Juniperus Virginiana*. *Bot. Gaz.* XII. 205-207. Sept. 1887. Also in *Rev. Mycol.* X. 32-34.

Description of *Aecidium Bermudianum* on *Juniperus Bermudiana* in Bermuda, and on *J. Virginiana* in Mississippi. On p. 207, *Roestelia lacerata* should be *R. hyalina*.

**Galloway**, Beverly Thomas. Callaway Co. Missouri, 16 Oct. 1862.

688. Celery leaf blight (*Cercospora Apii*, Fres.). *Bot. Gaz.* XII. 66, 67. March, 1887.

Reports damage done by this species in Missouri.

**Goff**, Emmett, S. See **ARTHUR**, J. C., title no.

654. **Halsted**, Byron David.

689. Bulletin of the Iowa Agricultural College from the botanical department. Nov. 1886. 8°. pp. 66. Issued 1887.

Includes several articles on fungi by the editor. Germination of ergot from the wild rye, pp. 19-21. Notes upon the *Peronosporaceae* for 1886, pp. 53, 54. Notes on 10 species from Iowa and Colorado. Notes upon the *Ustilagineae*, pp. 54, 55. The ash-leaf Rust, *Aecidium Fraxini*, Schw., p. 55. The clover mould, pp. 55, 56, fungus not named. Fungi of Forest Trees, pp. 56, 57. Colorado Fungi, pp. 57-59; account of 25 species, principally *Uredineae* collected in July, 1886; 2 new species, *Tuberculina Lupini*, Farlow, and unnamed *Aecidium* on *Abies Douglasii*. Relation between cedar-apples and the leaf-rust on the wild crab apple; a full account of experiments briefly described in title no. 350. See also **CRAIG**, J., and **HITCHCOCK**, A. S.

690. — — — A new *Uromyces*. *Jour. Myc.* III. 138. Dec. 1887.

Description of *Uromyces digitatus* on *Leersia Virginica* from Iowa.

**Harkness**, Harvey Wilson.

691. Fungi of the Pacific coast. Part 5. *Bull. Cal. Acad. Sci.* II. no. 7, 438-447. Issued June 16, 1887.

An enumeration of 76 species, with their hosts, localities, and notes. Three of the species described as new.

**Harvey**, Francis LeRoy. Ithaca, N. Y., 22 Apr. 1850.

692. Proliferous fungi. *Bot. Gaz.* XII. 274, with figure. Nov. 1887.

Notice, with figure, of a monstrosity of *Lactarius cinereus*, Peck.

**Hitchcock**, Albert Spear. Owasso, Mich., 4 Sept. 1865.

693. A partial list of Iowa powdery mildews. *Bull. Iowa Agr. Coll.* pp. 64-66. Nov. 1886. Issued 1887.

Notes on 20 species of *Perisporiaceae* found in Iowa. See title no. 689.

**Holway**, Edward Willet (Dorland). See **ARTHUR**, J. C., and **ELLIS** J. B., and **EVERHART**, B. M.

**Humphrey**, James Ellis. North Weymouth, Mass., 5 Aug. 1862.

694. The preparation of agarics for the herbarium. *Bot. Gaz.* XII. 271-273. Nov. 1887.

Practical directions for drying and pressing.

**Kellerman**, William Ashbrook. See **ELLIS**, J. B.

**Klebahm, H.**

695. Beobachtungen und streitfragen neber die blasenroste. *Abhandl. Naturwiss. Ver. Bremen*, X. 145-155. Pl. 1.

Includes brief notes by Farlow on the distribution of *Cronartium* and *Peridermium* in the United States.

**Knowles, Etta (Marietta) Laughridge.**

696. The curl of peach leaves; a study of the abnormal structure induced by *Eroascus deformans*. *Bot. Gaz.* XII. 216-218. Pl. 13. Sept. 1887.

Notes on the histological characters of the distortions.

**Lagerheim, G. (Nils Gustaf).** Stockholm, 18 Oct. 1860.

697. Mykologiska Bidrag. III. Ueber einige auf *Rubus arcticus* L. vorkommende parasitische pilze. *Botaniska Notiser*, 60-67. Fig. 1-3. 1887.

Notes the occurrence of *Puccinia Peckiana*, Howe, in Lapland, and gives comparisons with American forms of the species, with figures.

**Langlois, Auguste Barthélémy.** Chavanay, Loire, France, 24 Apr. 1832.

698. A new *Volutella*. *Jour. Myc.* III. 57. May, 1887.

Description of *V. Ellisii* from Louisiana.

699. — Catalogue provisoire des plantes phanerogames et cryptogames de la Basse Louisiane. 8°. pp. 35. Saint Etienne.

On pp. 27-35 is a list of more than 600 species of fungi determined by J. B. Ellis. Localities and habitats are not given. Rev. in *Torr. Bull.* XIV. 239, and *Rev. Myc.* IX. 201.

**Ludwig, Friedrich.** 24 Oct. 1851.

700. Einiges ueber rostpilze. *Centralblatt für Bacteriologie und Parasitenkunde*, I. 690-693. June, 1887.

Includes references to *Puccinia Peckiana*, *P. Malvastris*, *P. heterospora*, and *Gloeosporium Lindemuthianum* in the United States summarized from previous papers by Lagerheim, Farlow, Seymour, Burrill, and Ellis and Everhart.

**Mancini, V.** See SACCARDO, P. A.**Martin, George.**

701. Enumeration and description of the *Septoria* of North America. *Jour. Myc.* III. 37-41, 49-53, 61-69, 73-82, 85-94. April—Aug. 1887.

Descriptions of 188 species of *Septoria*, 158 by this author, the remainder, together with 8 species of *Phloeospora*, 20 of *Rhabdospora*, and 8 of *Phlyctinia*, by the editors of *Journal of Mycology*. Also an index of species and host-plants.

**Massee, George Seampston, Yorkshire, England.** 20 Dec. 1850.

702. A monograph of the genus *Lycoperdon* (Tournef.), Fr. *Jour. Roy. Micr. Soc.* VII. 701-727 (1-27). Pl. 12, 13. Read 8 June, 1887.

Includes descriptions of 25 species from United States, 3 of them new, with figures of some of the species.

703. — On *Gasterolichenes*: a new type of the group *Lichenes*. *Philos. Trans. Royal Soc. London*. Vol. CLXXVIII. 305-309. Pl. 25. Read 16 June, 1887.

Includes an account, with figures, of *Trichocoma laerispora* from South Carolina, which is here referred to lichens.

704. — Revision of *Polysaccum*. *Grev. XVI.* 27-29. Dec. 1887.

Includes 2 species from the United States.

**Merry, Martha.** Phoenix, N. Y., 10 Aug. 1864.

705. The identity of *Podosphaera minor*, Howe, and *Microsphaera fulvo-fulcra*, Cooke. *Bot. Gaz.* XII. 189-191. Pl. 11. Aug. 1887.

Account of the examination of specimens of the two species from different localities to show their identity. Followed by a supplementary note by W. R. Dudley.

**Morgan, Andrew Price.**

706. The mycologie flora of the Miami Valley, Ohio. *Jour. Soc. Nat. Hist. Cincinnati*. X. 7-18. March, 1887.

Continuation of title no. 424, including descriptions of *Hydnellus*. Two species, *Hydnellum casearium* and *H. alboride*, described as new.

707. — North American Agarics.—The subgenus *Amanita*. *Jour. Myc.* III. 25-33. March, 1887.

Descriptions of 28 species, with analytic key and critical notes.

708. — The genus *Geaster*. *Am. Nat.* XXI. 1026-1029. Fig. 1, 2. Nov. 1887.

A review of De Toni's monograph, see title no. 730, with descriptions of two new species, *G. campestris* and *G. delicatus*, from Nebraska, with figures.

**Pearson, Alexander W.** See SCRIBNER, F. L.

**Peck, Charles Horton.** See ARTHUR, J. C., title no. 656.

709. Notes on the *Boleti* of the United States. *Jour. Myc.* III. 53-55. May, 1887.

Critical notes on a number of American species. *B. Russellii*, Frost, and *B. Morganii*, Pk., form a group, *Laceripes*, peculiar to this country. Name of *B. robustus*, Frost, changed to *B. eximus*, and description given.

710. — Thirty-ninth Report for 1885, issued Sept. 1887. pp. 30-73. Pl. 1, 2. Continued from title no. 454.

Fungi not before reported, pp. 38-53, 37 new species; remarks on fungi, pp. 57, 58; synopsis of New York species of *Pleurotus*, *Cladoporus* and *Crepidotus*, pp. 58-73.

711. — Contributions to the botany of the State of New York. *Bull. N. Y. State Museum Nat. Hist.* I. no. 2. May, 1887. pp. 66. Pl. 1, 2.

Contains the following: "Descriptions of new species of New York fungi," pp. 5-24, giving descriptions of 14 *Hymenomycetes* from the unpublished 37th Report (see title no. 453), and 40 species from 32nd Report (see title no. 448); "Additions to the flora of the State of New York in 1883, with remarks and observations," pp. 25-28, including notes on fungi taken from 37th Report; New York species of *Paxillus*, pp. 29-33, New York species of *Cantharellus*, pp. 34-43, New York species of *Craterellus*, pp. 44-48, all from 37th Report; names of New York Pyrenomyctosous Fungi, pp. 49-56, also from 37th Report; and New York species of viscid *Boleti*, pp. 57-66. Although this paper bears the date May, 1887, it was apparently not distributed until the following January.

**Penzig, Otto.**

712. Studi botanici sugli agrumi e sulle piante affini. Memoria premiata dal R. Ministero d'Agricoltura, con un atlante in folio. *Ministero di agricoltura, industria e commercio. Direzione generale dell' agricoltura. Annali di agricoltura.* 1887. Rome, 1887. Text, pp. vi. 590. 8°. Atlas, pl. 58. Folio.

The plates of fungi in this work are reproduced from Saccardo's *Fung. Ital. Del.* (see title no. 536). The text contains references to American fungi on pp. 323, 325, 349, 379, and 390.

**Plumb, C. S.** See ARTHUR, J. C., title no. 654.

**Provancher, L. (Abbé).**

713. Le Phallus et la Morille. *Naturaliste Canadien*, XVI. 115-119. Feb. 1887.

A reply to questions concerning the nomenclature of the fungus described in the *Naturaliste* for Oct. 1886. See no. 505a.

**Ravaz, Louis Etienne.** Saint Roman, Isère, France, 10 May, 1863. See VIALA, P.

**Ravenel, Henry William.** †Aiken, S. C. 17 July, 1887.

**Riley, Charles Valentine.**

714. Fungus disease of the web-worm. Rept. of the Entomologist in *Rept. U. S. Dept. Agr. for 1886*. pp. 527-529. Washington, 1887.

Gives an account of the growth of *Botrytis Bassiana* on web-worms bred in Washington.

**Robinson**, Benjamin Lincoln. Bloomington, Ill., 8 Nov. 1864.

† 715. Notes on the genus *Taphrina*. *Annals of Botany*, I. 163-176. Nov. 1887.

A general account of the structure of the genus followed by a synopsis of 8 species of the United States, with critical notes on structure and distribution.

**Saccardo**, Pietro Andrea.

† 716. *Sylloge Fungorum omnium hueusque cognitorum*. Vol. V. *Sylloge Hymenomycetum omnium hueusque cognitorum digessit P. A. Saccardo collaborantibus J. Cuboni et V. Mancini*. Vol. I. *Agaricaceae*. 8°. pp. 1146. Padua. 28 May, 1887.

Continuation of title no. 548, including all known North American species.

**Scribner**, Frank Lamson.

717. Report on the fungus diseases of the grape vine. *Dept. of Agr., Botanical Division. Bulletin* no. 2. *Section of Plant Pathology*. Washington. 1886. Issued Jan. 1887. 8°. pp. 136. Pl. 7, in part colored, and 4 figures.

Report contains full account of Downy Mildew, *Peronospora viticola*, Powdery Mildew, *Uncinula spiralis*, the Black-rot, *Physalospora Bidwellii*, Anthracnose, *Sphaeloma ampelinum*, Grape-leaf Blight, *Cercospora viticola*, and Grape-leaf Spot, *Phyllosticta Labruscae*. Appendix A gives synopsis by Irwin F. Smith of replies to circulars on rot and mildew. Appendix B has remarks on rot and mildew by Col. A. W. Pearson. *Rev. Torr. Bull.* XIV. 38.

718. — Ejection of ascospores from the ascus of *Physalospora Bidwellii*. *Torr. Bull.* XIV. 207. Sept. 1887.

A note of remarks before the Botanical Club of the A.A.A.S., stating that the spores of this species were thrown from 10 to 15 mm.

719. White Rot of grapes. *Colman's Rural World*. 27 Oct. 1887.

An account of the discovery by Prof. P. Viala of *Coniothecium Diplodiella*, Speg., on grapes at Neosho, Missouri.

719a. — Grape leaf-spot disease and black-rot. *Colman's Rural World*. St. Louis. 29 Nov. 1887.

*Phyllosticta Labruscae*, Thm., is stated to be a foliicolous form of *Phoma uricola*, B. & C.

— **Arthur**, J. C., and **Trelease**, W.

† 720. Report of the Mycological Section. *Rept. U. S. Dept. Agr. for 1886*. pp. 95-138. Pl. 1-8, besides 3 maps and diagram. Washington. 1887.

Contains the following papers by F. L. Scribner: The downy mildew, *Peronospora viticola*, pp. 96-105, pl. I.; The powdery mildew, *Uncinula spiralis*, pp. 105-109, pl. II.; Black-rot, *Physalospora Bidwellii*, pp. 109-112, pl. III.; Anthracnose, *Sphaeloma ampelinum*, 112-115, 131, pl. IV.; pl. V.; Celery-leaf blight, *Cercospora apii*, pp. 117-120, Orange-leaf scab, pp. 120-121, pl. VI.; The potato-rot, *Phytophthora infestans*, pp. 121-124, pl. VII. See also TRELEASE, W. This Report also includes a paper by J. C. Arthur, on the Pear Blight, *Micrococcus amylovorus*.

721. — and **Viala**, P. *Le Greeneria fuliginea*, nouvelle forme de rot des fruits de la vigne, observée en Amérique. *Comptes Rendus*. 12 Sept. 1887. Vol. CV. 473, 474 (1, 2).

Substance same as next title.

722. On a new fungus disease of the vine, *Greeneria fuliginea*. *Agricultural Science*, I. 210-211. Sept. 1887, and *Proc. Soc. Prom. Agr. Sci. 8th meeting*. pp. 74-76. Oct. 1887.

Account of a new genus and species of *Sphaeropsidaceae* found on grapes in North Carolina. *Rev. Jour. Myc.* III. 119. See *Colman's Rural World*, 13 Oct. 1887.

**Seymour**, Arthur Bliss.

723. Orchard Rusts. *Trans. Am. Hort. Soc.* IV. 152-160 (1-8). Fig. 1-4. Indianapolis. 1886. Reprint issued 7 Apr. 1887.

An account of diseases caused by species of *Gymnosporangium* in the United States. *Rev. Centralblatt Bacteriol.* I. 227-239.

724. — The hollyhock disease. *Am. Florist*, II. 512, 513, with figure. 1 Aug. 1887.

Account of *Puccinia Malvacearum* with notes on its occurrence in Massachusetts.

725. — A disease of the mignonette. *Am. Florist*, III. 38. 1 Sept. 1887.

Account with figures of an unnamed fungus destroying mignonette at Champaign, Ill.

726. — Character of the injuries produced by parasitic fungi upon their host-plants. *Am. Nat.* XXI. 1114-1117. Dec. 1887.

General account of the injuries and distortions produced by parasitic fungi on plants.

**Smith**, Erwin F. Gilbert's Mills, Oswego Co., N. Y., 21 June, 1854. See **SCRIBNER**, F. L.

**Somers**, John.

727. Additions to the list of Nova Scotian fungi. *Proc. and Trans. Nova Scotian Inst. Nat. Sci.* VI. 286-288. 1886. Issued 1887.

Enumeration of 23 species, principally *Hymenomyceles*, with localities and some notes.

**Thaxter**, Roland. Newton, Mass., 28 Aug. 1858.

† 728. On certain cultures of *Gymnosporangium*, with notes on their *Roesteliae*. *Proc. Am. Acad. Arts and Sci.* Boston. XXII. 259-269. Separate edition issued Jan. 1887. Also in *Centralblatt für Bacteriologie und Parasitenkunde*, I. 429-434, 457-460.

Account of cultures showing the connection of *G. conicum* with *R. cornuta*, *G. claripes* and *R. aurantiaca*, *G. clavariiforme* and *R. lacerata*, *G. macropus* with *R. pyrata*, *G. biseptatum* with *R. botryapites*, and critical notes on the characters of other species. *Rev. Jour. Myc.* III. 47.

**Thomas**, Friedrich A. W.

729. *Synchytrium cupulatum*, n. sp. *Bot. Centralblatt*, XXIX. 19-22. Jan. 1887.

Has note on the American form of *S. Myosotides* var. *Potentillae*, which author thinks should probably be referred to his new species, *S. cupulatum*.

**Toni de**, Giovanni Battista. Venice, 2 Jan. 1864.

730. *Revisio monographica generis Geasteris* Mich. e tribu *Gasteromycetum*. *Rev. Myc.* IX. 61-77, 125-133. Pl. 62, 63. April, July, 1887.

Bibliography of the genus with descriptions of known species, including 17 species from the United States, of which some are figured. There is also an author's edition of 25 pages and 2 plates. See title no. 708.

**Trelease**, William. See also **SCRIBNER**, F. L., title no. 720.

† 731. A spot disease of orchard grass, *Scoleotrichum graminis*. *Rept. U. S. Dept. Agr. for 1886*. Mycological section, pp. 129-131. Pl. VIII. Washington. 1887.

Account of the appearance of this fungus in Wisconsin.

732. Fungi injurious to grasses and clovers. From *Beal's Grasses of North America*, pp. 413-431. Fig. 159-175.

A popular account of the more common, *Ustilagineae*, *Uredineae*, *Ascomycetes*, *Peronosporaceae*, etc., which attack forage plants in the United States, with brief notes on some allied fungi of Europe. *Rev. Centralblatt Bacteriol.*, I. 726.

**Viala**, Pierre. Montpellier, France, 24 Sept. 1859. See also **SCRIBNER**, F. L.

733. Les maladies de la vigne. Deuxième édition ornée de 5 planches en chromo et 200 figures dans le texte, avec une étude des appareils de traitement par M. Paul Ferrouillat. 8°. pp. 462. Montpellier and Paris. 1887.

A general treatise on fungi which cause diseases of vines, including references to fungi found both in Europe and America, and to a few special American species, as *Uncinula spiralis*, *Phoma urarum*, B. and C., etc. *Vibrissa (Roesleria) hypogaea*, Thum. and Pass. is said, on the authority of Plancheon, to occur in Missouri. *Rev. in Bot. Gaz.* XIII. 45.

734. — Le white-rot ou rot blanc (*Coniothyrium diplodiella*) aux Etats-Unis d'Amérique. *Comptes Rendus*, CV. 624, 625. 10 Oct. 1887.

Account of the discovery of this fungus on grapes in Missouri.

**Viala**, Pierre, and **Ravaz**, L.

735. La mélanose. 8°. pp. 18. Pl. 3. Montpellier.

One of the series, "Recherches sur les maladies de la vigne" issued in the Bibliothèque du Progrès Agricole et Viticole. Account of a disease caused by a fungus, *Septoria ampelina*, first described from America by Berkeley and Curtis. Substance of this paper also given in Viala's *Maladies de la vigne*. See above.

**Wettstein**, Richard von.

736. Ueber *Helotium Willkommii* (Hart.) und einige ihm nahe stehende *Helotium*-Arten. *Bot. Centralblatt*, XXXI. 285-287, 317-321.

Includes a description of *Peziza Ellisiana*, Rehm, which is referred to *Helotium*.

**White**, James Clarke.

737. Dermatitis venenata: an account of the action of external irritants upon the skin. 8°. pp. 216. Boston. 1887.

On p. 99 is a note in relation to *Ustilago hypodites* and its occurrence in the United States.

**Winter**, Georg. †Connewitz, near Leipsic, 16 Aug. 1887.

738. Exotische Pilze, IV. *Hedwigia*, XXVI. 6-18. Jan. 1887.

On p. 8 is a reference to *Coleosporium Baccharidis*, Cke. & Hark.

739. — Repertorium. Rabenhorstii Fungi Europaei et Extraeuropaei Exsiccati cura Dr. G. Winter. *Centuria*, 35 et 36. *Hedwigia*, XXVI. 24-35. Jan. 1887.

Has notes on 7 species from the United States.

## FUNGI EXSICCATI.

**NORTH AMERICAN FUNGI**. Ellis, J. B., and Everhart, B. M., editors. Cent. 18, 19. Newfield, N. J. Issued April, 1887.

Cent. 18 is composed largely of species of *Cercospora* and *Septoria* and Cent. 19 of *Uredineae*. Rev. in *Rev. Myc.* IX. 120 and *Am. Nat.* XXI. 379.

**FUNGI EUROPAEI ET EXTRAEUROPAEI**. G. Winter, editor.

Cent. 35 and 36, the last that have appeared, were issued late in 1886, but not generally received in this country until 1887. Reviews of these Centuries given in *Rev. Myc.* IX. 121 and *Jour. Myc.* III. 35, where some corrigenda of American specimens are given. See title no. 739.

**FUNGI GALLICI EXSICCATI**. C. Roumégue, editor.

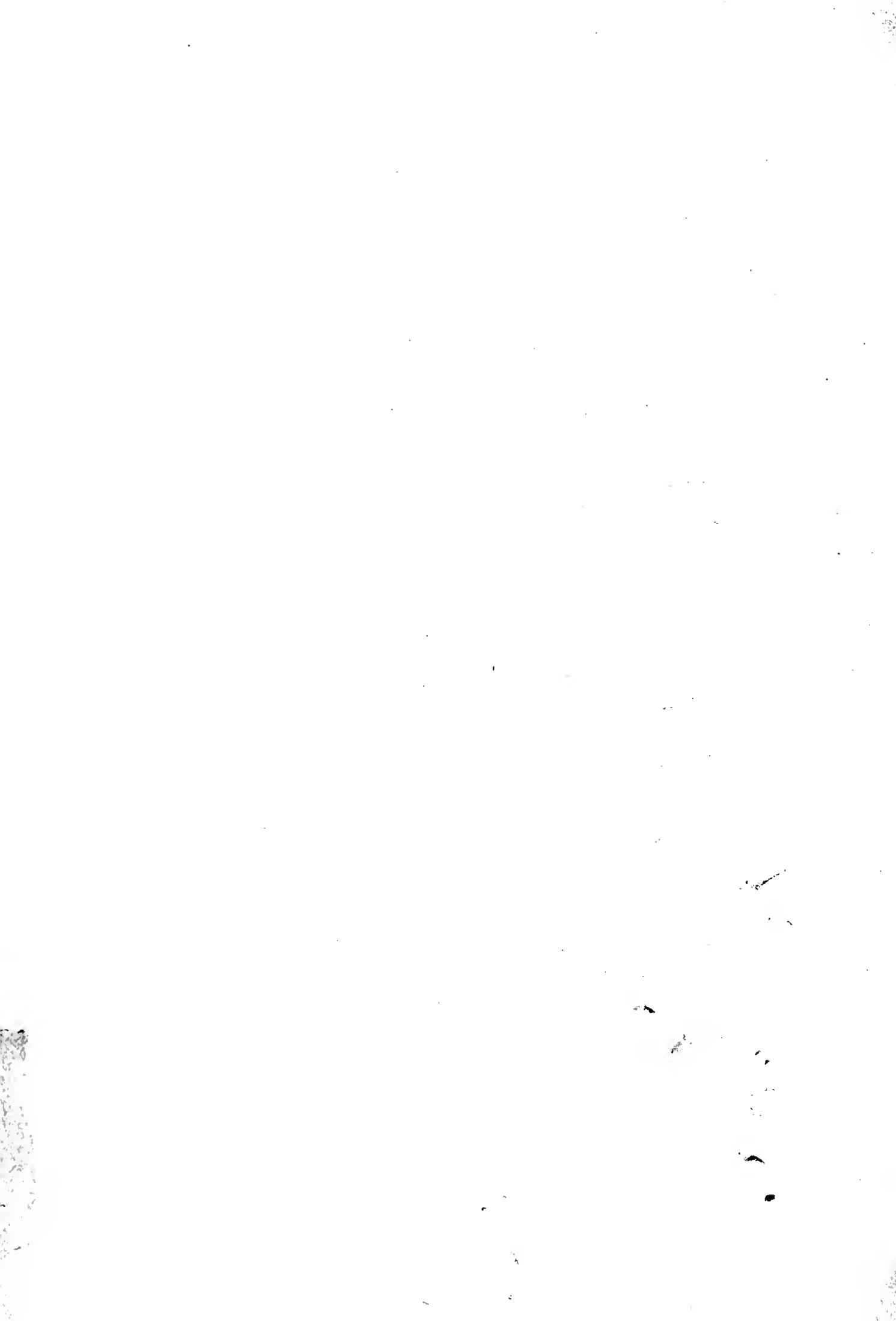
Cent. 41-44 appeared during 1887, the labels of the last three Centuries having the heading *Fungi selecti exsiccati*. The following are the numbers of specimens from the United States: 4032, 4040, 4094, 4095, 4097 and 4315.























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